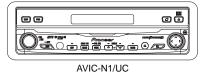
## Pioneer sound.vision.soul

## Service Manual



ORDER NO. CRT3221

**DVD MULTIMEDIA AV NAVIGATION SERVER** 

# AVIC-N1 1/UCDVD AV NAVIGATION HEAD-UNIT AVIC-X1/EW

#### This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech.Module	Remarks
CX-3016	CRT3056	MS3	DVD Mech. Module:Circuit Description, Mech. Description, Disassembly

#### NOTE:

- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- This product has the unit part number as below.

Unit Part No.	Description
CPN1899	Navigation Unit(AVIC-N1/UC)
CPN1901	Hideaway Unit(AVIC-N1/UC)
CPN1898	Navigation Unit(AVIC-X1/EW)
CPN1900	Hideaway Unit(AVIC-X1/EW)

<sup>\*)</sup> The unit part numbers listed above are not for the service components.



PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2004

## **SAFETY INFORMATION**

#### UC

#### **CAUTION**

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

#### **WARNING**

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This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

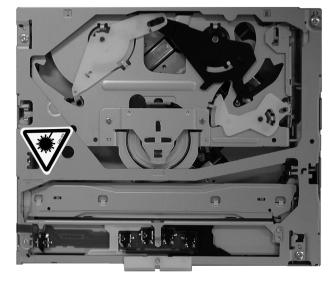
This product contains mercury. Disposal of this material may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org.

#### **EW**

- 1. Safety Precautions for those who Service this Unit.
- Follow the adjustment steps (see pages 192 through 255)in the service manual when servicing this unit. When check
  ing or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

#### Caution:

- 1. During repair or tests, minimum distance of 13cm from the focus lens must be kept.
- 2. During repair or tests, do not view laser beam for 10 seconds or longer.
- 2. The triangular label is attached to the mechanism unit frame.



This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.

The following caution label appears on your unit.

Location: on the bottom of the unit



On the top of the player.

CAUTION : VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM.

VORSICHT: SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN!

ADVARSEL: SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING.

VARNING : SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD BETRAKTA EJ STRÅLEN.

. AVATTAESSA ALTISTUT NÄKYVÄ JA NÄKYMÄTTÖMÄLLE . LASERSATEIL YLLE. ÄLÄ KATSO SÄTEESEN. VARO!

#### WARNING!

The AEL (accessible emission level )of the laser power output is less than CLASS 1 but the laser component is capable of emitting radiation exceeding the limit for CLASS 1.

A specially instructed person should do servicing operation of the apparatus.

Laser diode characteristics

Wave length:

DVD:640~660nm

CD:770~810nm

Maximum output:2.48mw(Emitting period :9sec.)

DVD:705µw(Emitting period : unlimited)

#### Additionla Laser Caution

Transistors Q1101 and Q1102 in PCB drive the laser diodes for DVD and CD respectively. When Q1101 or Q1102 is shorted between their terminals, the laser diodes for DVD or CD will radiate beam. If the top cover is removed with no disc loaded while such short-circuit is continued, the naked eyes may be exposed to the laser beam.

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#### **DVD MECHANISM MODULE section precaution**

- 1. Before disassembling the unit, be sure to turn off the power. Unplugging and plugging the connectors during power-on mode may damage the ICs inside the unit.
- 2. To protect the pickup unit from electrostatic discharge during servicing, take an appropriate treatment (shorting-solder) by referring to "the DISASSEMBLY" on page 262.
- 3. After replacing the pickup unit, be sure to check the grating. (See p.196.)
- 4. During disassembly, be sure to turn the power off since an internal IC might be destroyed when a connector is plugged or unplugged.

#### **NAVIGATION UNIT section precaution**

- 1. Inverter for LCD back light becomes a high voltage.
- 2. When inspecting the touch panel, use something thin with a round tip such as the touch pen. Furthermore, do not apply excessive force to the touch panel.
- 3. Since this product does not have OSD IC, OSD for adjustment is displayed by using GGF1416 and GGF1463 at the time of monitor adjustment. As you will find lands for 14 pins with 0.8mm pitch at the left top part of the monitor board, directly solder a flexible PCB of GGD1323 for adjustment. As GGD1322 is not used, be careful not to short the terminal.
- 4. The region code determination at the time of DVD hardware change is made by the destination (UC: Region 1, EW: Region 2) of the car control unit.
- 5. If you reconnected the Hide-away unit, press the RESET button.

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[ Important symbols for good services ] In this manual, the symbols shown-below indicate that adjustments, settings or cleaning should be made securely. When you find the procedures bearing any of the symbols, be sure to fulfill them:

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You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.

#### 2. Adjustments



To keep the original performances of the product, optimum adjustments or specification confirmation is indispensable. In accordance with the procedures or instructions described in this manual, adjustments should be performed.

#### 3. Cleaning



For optical pickups, tape-deck heads, lenses and mirrors used in projection monitors, and other parts requiring cleaning, proper cleaning should be performed to restore their performances.

#### 4. Shipping mode and shipping screws



To protect the product from damages or failures that may be caused during transit, the shipping mode should be set or the shipping screws should be installed before shipping out in accordance with this manual, if necessary.

#### 5. Lubricants, glues, and replacement parts



Appropriately applying grease or glue can maintain the product performances. But improper lubrication or applying glue may lead to failures or troubles in the product. By following the instructions in this manual, be sure to apply the prescribed grease or glue to proper portions by the appropriate amount. For replacement parts or tools, the prescribed ones should be used.











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## 1. SPECIFICATIONS

## ● AVIC-N1/UC

Grounding system   Negative type   Max current consumption   10.0 A   15.000 Hz w no more than \$56.7HD   15.000 Hz w no more than \$50.7HD   15.000 Hz w no more than \$50.7HD   15.000 Hz w no more than \$50.7HD   15.000 Hz w n	<b>General</b> Rated power source	14.4 V DC	<b>Audio</b> Continuous power output is 22 W per	channel minimum
Max. current consumption         Maximum power output         .90 W X ≥ c/√Ω 1 + 70 W c/√2 Ω (for subwoofen)           Backup current         .6.5 mA or less         .4 Ω (4 − 3 Ω ≥ Ω for 1 c) c) c/√2 Ω (for subwoofen)           Displey unit:         .90 W X ≥ c/√2 Ω for 1 c) c) consists         .4 Ω (4 − 3 Ω ≥ Ω for 1 c) c) c) c/√2 Ω (for subwoofen)           Dinnensions (W X H X D):         .178 X 50 X 160 mm (7 × 2 X 6 √4 (1 m))         .90 W X 2 c) √2 Ω 1 c) c) consists           D Chassis         .178 X 50 X 160 mm (7 × 2 X 6 √4 (1 m))         .90 W 2 c) √4 Ω + 70 W c) c/√2 Ω (1 m) c) consists           D Chassis         .178 X 50 X 160 mm (7 × 2 X 6 √4 (1 m))         .90 W 2 c) √4 Ω + 70 W c) c) consists           D Chassis         .178 X 50 X 160 mm (7 × 2 X 6 √4 (1 m))         .90 W 2 c) √4 Ω + 70 W c) c) consists           D Chassis         .178 X 50 X 160 mm (7 × 2 X 6 √4 (1 m))         .90 W 2 c) √4 Ω + 70 W c) consists           D Chassis         .178 X 50 X 160 mm (7 × 2 X 6 √4 (1 m))         .90 W 2 c) √4 Ω M 2 M 2 M 2 W 2 W 2 W 2 W 2 W 2 W 2 W 2		(10.8 - 15.1 V allowable)	into 4 ohms, both channels driven 50	
Backup current   6.5 mA or less				
Color   Col				
Backup current		10.0 A		,
Display unit:   Dimensions (W X H X D);   DiN   Chassis   (78 X 86 X 160 mm (7 × 2 X 6-1/4 in.)   Nose   189 X 86 X 34 mm (7.3) X 2-1/4 X 1-3/8 in.)   D   Chassis   (78 X 50 X 165 mm (7.3) X 2-1/4 X 1-3/8 in.)   D   Chassis   (78 X 50 X 165 mm (7.3) X 2-1/4 X 1-3/8 in.)   D   Chassis   (78 X 50 X 165 mm (7.3) X 2-1/4 X 1-3/8 in.)   Weight   2.5 kg(6.5 lbs)   Mildeaway unit:   Dimensions (W X H X D)   (80 X 30 X 140 mm (5-78) X 1-1/8 X 3-7/8 in.)   Weight   0.7 kg(1.5 lbs)   Mayigation   CFS Receiver   System   L1, C/Acode GPS SPS Receiver   CFS (22 M Hz Sensitivity   -130 dbm   Postion update frequency   1.55 4.29 M Hz Sensitivity   -130 dbm   Postion update frequency   1.575 4.29 M Hz Sensitivity   -130 dbm   Antenna cable   5.0 m(16 ft. 5 in.)   Dimensions (W X H X D)   Mayigation   CFS antenna:   Antenna cable   5.0 m(16 ft. 5 in.)   Dimensions (W X H X D)   Mayigation   Mildeavay unit:   Low   +10 dB (100 Hz), +3 dE kHz)   Mild   Mild   +10 dB (100 Hz), +3 dE kHz)   Mild   Mild   Mild   Mi	Backup current	6.5 mA or less		
Dimensions (W X H X D):   DIN	Display upit		allowable	;)
DIN Chassis		<b>4</b> D).	Preout max output level/output imped	dance
Chassis		<b>(</b> ل <b>٪</b>	1.0 V/100	ohm
Low			Equalizer (3-Band Parametric Equaliz	er):
Nose	Chassis		Low	
O   Factor     0.35/0.59/0.95/1.15 (+6+   when boosted)	Nose			
Chassis				
Mid   Frequency   200/500/1k/2k Hz   200/500/500/1k/2k Hz   200/500/500/1k/2k Hz   200/500/500/1k/2k Hz   200/500/500/500/500/500/500/500/500/500/				50104)
Nose	Chassis			
(6.3/4 × 1.3/4 × 1.1/4 in.)   Q Factor.   0.35/0.59/0.95/1.15 (+6.6 when boosted)				11 /01 11
Weight	Nose		· · · · · · · · · · · · · · · · · · ·	
Hideaway unit:				
Dimensions (W X H X D)	Weight	2.5 kg(5.5 lbs)		osted)
Dimensions (W X H X D)	Hideaway unit:		Gain ±12dB	
S-7/8 X 1-1/8 X 3-7/8 in.)   Weight   0.7 kg (1.5 lbs)   Weight   0.7 kg (1.5 lbs)   When boosted	Dimensions (W X H >	<b>≺</b> D)	High	
(5-7/8 × 1-1/8 × 3-7/8 in.) Weight			Frequency 3.15k/8k/	10k/12.5k Hz
Weight			Q Factor 0.35/0.59	/0.95/1.15 (+6 dB
Secondary   Secondary   Secondary   System   System   L1, C/Acode GPS   System   L1, C/Acode GPS   System   L1, C/Acode GPS   System   System   Sechannel multi-channel reception system   Sechannel multi-channel reception system   Reception frequency   1.575.42 MHz   Sensitivity   -130 dbm   Position update frequency   Approx. once per second   GPS antenna:   Antenna   Micro strip flat antenna/ right-handed helical polarization   Antenna cable   5.0 m(16 ft. 5 in.)   Dimensions (W X H X D)   May 1.05 g(0.23 lbs)   Meight   105 g(0.23 lbs)   Meight   105 g(0.23 lbs)   Meight   Screen size/aspect ratio   6.5 inch wide/16.9 (effective display area: 144 × 76 mm)   Frequency   50/80/125 Hz   Slope   -12 dB/oct   Subwoofer:   Frequency   50/80/125 Hz   Slope   -12 dB/oct   Gain   ±12dB   Phase   Normal/Reverse   Mormal/Reverse   Mor	Weight			
Loudness contour	ě .	d., rig(1.0 rbc)		,
System	Navigation			
System	GPS Receiver:			(100 H2) + 2 4B (1
SPS (Standard Positioning Service)       Mid       +10 dB (100 Hz), +6.5 d         Reception system       8-channel multi-channel reception system       High       +11 dB (100 Hz), +11 d         Reception frequency       1,575.42 MHz       High       +11 dB (100 Hz), +11 d         Sensitivity       -130 dbm       (10 kHz)       (volume: -30 dB)         Position update frequency       Approx. once per second       Bass       Frequency       40/63/100/160 Hz         GSPS antenna:       Antenna       Micro strip flat antenna/ right-handed helical polarization       ±12dB       Treble         Antenna cable       5.0 m(16 ft. 5 in.)       Gain       ±12dB         Dimensions (W X H X D)       40/63/100/160 Hz       Gain       ±12dB         Weight       105 g(0.23 lbs)       HFF:       Frequency       2.5k/4k/6.3k/10k Hz         Slope       -12 dB/cct       Slope       -12 dB/cct         Slope       -18 dB/oct       Slope       -18 dB/oct         Slope       -18 dB/oct       Gain       ±12dB         Phase       Normal/Reverse         Slope       -18 dB/oct       Gain       ±12dB         Normal/Reverse       -18 dB/oct       Gain       ±12dB         Normal/Reverse       -18 dB/oct       Gain	System	L1, C/Acode GPS		(100 F12), ±3 UD (1
Reception system   S-channel reception system   Reception frequency   1,575.42 MHz   11 dB (100 Hz), +11 dB (100 Hz), +1 dB (100 Hz), +11 dB (100 Hz), +12 dB (10 Hz),	SPS (Standard Positi	oning Service)	· · · · · · · · · · · · · · · · · · ·	100 Hz) ±65 dB
reception system  Reception frequency	Reception system	8-channel multi-channel		100 112), 1 0.5 4 5
Sensitivity		reception system	,	100 Hz) ±11 dB
Sensitivity	Reception frequency	1,575.42 MHz		100112), +1140
Position update frequency	Sensitivity	–130 dbm		_30 dB)
## Approx. once per second  ## Approx. once per second  ## Approx. once per second  ## Antenna:  ## Antenna:  ## Antenna:  ## Antenna				00 (15)
GPS antenna:       Antenna:       Micro strip flat antenna/ right-handed helical polarization         Antenna cable       5.0 m(16 ft. 5 in.)         Dimensions (W X H X D)       34 X 13 X 36 mm (1-3/8 X 1/2 X 1-3/8 in.)         Weight       105 g(0.23 lbs)         Display         Screen size/aspect ratio       6.5 inch wide/16:9 (effective display area: 144 X 76 mm)         Pixels       336,960 (1,440 X 234)         Type       TFT active matrix, transmissive type         Color system       NTSC         Operating temperature range       —14 — +122 °F         Storage temperature range       —4 — +176 °F         Angle adjustment       50/63/100/160 Hz         Treble         Frequency       50/80/125 Hz         Slope       —18 dB/oct         Gain       ±12dB         Phase       Normal/Reverse				
Antenna		rpprox. once per occorra		. /
right-handed helical polarization  Antenna cable		Micro strip flat antanna/	• •	)/160 Hz
zation Antenna cable	Antenna		Gain ±12dB	
Antenna cable			Treble	
Dimensions (W X H X D)	Antonno coblo	=	Frequency 2.5k/4k/6	.3k/10k Hz
Meight   105 g(0.23 lbs)   Slope   -12 dB/oct		,	Gain ±12dB	
34 × 13 × 36 mm			HPF:	
Slope			Frequency 50/80/125	5 Hz
Subwoofer:	\ \			
Display         Screen size/aspect ratio       6.5 inch wide/16:9         (effective display area: 144 × 76 mm)       Slope       -18 dB/oct         Pixels       336,960 (1,440 × 234)       Phase       Normal/Reverse         Type       TFT active matrix, transmissive type         Color system       NTSC         Operating temperature range       -14 - +122 °F         Storage temperature range       -4 - +176 °F         Angle adjustment       50 - 110°	vveight	105 g(U.23 lbs)		<u> </u>
Screen size/aspect ratio 6.5 inch wide/16:9	Display			5 ∐-7
(effective display area: 144 × 76 mm)       Gain		6.5 inch wide/16:9		
76 mm)  Pixels	30,001,0120,40,000,141,01.		•	ct
Pixels				
TypeTFT active matrix, transmis- sive type  Color systemNTSC  Operating temperature range14 - +122 °F  Storage temperature range4 - +176 °F  Angle adjustment	Pixels	,	PhaseNormal/F	Reverse
Color system		TFT active matrix, transmis-		
Operating temperature range14 - +122 °F Storage temperature range4 - +176 °F Angle adjustment		**		
	*			
Storage temperature range 4-+176°F Angle adjustment50-110°	Operating temperature ra	nge		
Storage temperature range 4 - +176°F Angle adjustment50 - 110°		–14 – +122 °F		
Angle adjustment 50 - 110°				
umuai setungs, TTV /	· mgic aujustilietit			
,		(matar oottingor 110 )		

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AVIC-N1/UC

#### **DVD Drive**

System......DVD video, Compact disc audio, MP3 system Usable discs......DVD video, Compact disc, MP3 Region number.....1 Signal format: Sampling frequency .... 44.1/48/96 kHz Number of quantization bits ...... 16/20/24; linear Frequency response......5 – 44,000 Hz (with DVD, at sampling frequency 96 kHz) Signal-to-noise ratio ......97 dB (1 kHz) (IHF-A network) (CD: 96 dB (1 kHz) (IHF-A network)) Dynamic range ......95 dB (1 kHz) (CD: 94 dB (1 kHz)) Output level: Video......1.0 Vp-p/75  $\Omega$  ( $\pm$ 0.2 V)

#### FM tuner

MP3 decoding format ......MPEG-1 & 2 Audio Layer 3

#### AM tuner

#### Note:

• Specifications and the design are subject to possible modifications without notice due to improvements.

AVIC-N1/UC

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#### ● AVIC-X1/EW

	General	Continuous power output.	27 W <b>X</b> 4 (DIN 45324,
Α	Rated power source14.4 V DC	·	+B=14.4 V)
	(allowable voltage rang 12.0 – 14.4 V DC)	ge: Load impedance	$4 \Omega (4 - 8 \Omega [2 \Omega \text{ for 1 ch}]$ allowable)
	Earthing system Negative type  Max. current consumption	Preout max output level/ou	
	10.0 A	Equalizer (3-Band Parame	
l <b>.</b>	Backup current 6.5 mA or less	Low	
	·	Frequency	40/80/100/160 Hz
	Display unit:	Q Factor	0.35/0.59/0.95/1.15 (+6 dB
	Dimensions (W $\times$ H $\times$ D):		when boosted)
	DIN 470 X 50 X 400	Gain	±12dB
	Chassis178 × 50 × 160 mm Nose188 × 58 × 34 mm	Mid	
В	Nose		200/500/1k/2k Hz
	Chassis 178 × 50 × 165 mm	Q Factor	0.35/0.59/0.95/1.15 (+6 dB
	Nose	Gain	when boosted)
	Weight 2.5 kg	High	± 120D
	Hideaway unit:	g .	3.15k/8k/10k/12.5k Hz
	Dimensions (W X H X D)	. ,	0.35/0.59/0.95/1.15 (+6 dB
	180 × 30 × 140 mm	Q 1 doto1	when boosted)
	Weight 0.7 kg	Gain	±12dB
	Navigation	Loudness contour	
	GPS Receiver:	Low	+3.5 dB (100 Hz), +3 dB (10
	SystemL1, C/Acode GPS		kHz)
С	SPS (Standard Positioning Service)	Mid	+10 dB (100 Hz), +6.5 dB
	Reception system 8-channel multi-chann	el Limb	(10 kHz)
	reception system	ніgn	+11 dB (100 Hz), +11 dB (10 kHz)
	Reception frequency 1,575.42 MHz		(volume: -30 dB)
	Sensitivity130 dbm	Tone controls:	,
	Position update frequency	Bass	
	Approx. once per seco	nd Frequency	40/63/100/160 Hz
	GPS aerial:	Gain	±12dB
	AerialMicro strip flat aerial/r handed helical polariz	ntion	
	Aerial cable 5.0 m	r requericy	2.5k/4k/6.3k/10k Hz
	Dimensions (W X H X D)	Gain	±12dB
D		HPF:	E0/00/40E LL-
D	Weight 105 g	Frequency Slope	
	ů ů	Subwoofer:	–12 db/oct
	<b>Display</b> Screen size/aspect ratio 6.5 inch wide/16:9	Frequency	50/80/125 Hz
	(effective display area:		
	76 mm)	Gain	
	Pixels	Phase	
	TypeTFT active matrix, trans	smis- <b>DVD Drive</b>	
	sive type	C 1	DVD video, Compact disc
	Colour systemNTSC/PAL compatible	Gysterr	audio, MP3 system
	Operating temperature range	Usable discs	DVD video, Compact disc,
_	10 - +50 °C		MP3
E	Storage temperature range	Region number	2
	-20 - +80 °C	Signal format:	
	Angle adjustment	Sampling frequency	
	(initial settings: 110°)	Number of quantization	
	Audio		
	Maximum power output 50 W X 4		5 – 44,000 Hz (with DVD, at
	$50 \text{ W} \times 2 \text{ ch}/4 \Omega + 70^{\circ}$		sampling frequency 96 kHz)
	ch/2 $\Omega$ (for subwoofer)	Signarto-noise ratio	97 db (1 kHz) (1EC-A 11et- work)
			*

AVIC-N1/UC

(CD: 96 dB (1 kHz) (IEC-A network)) Dynamic range......95 dB (1 kHz) (CD: 94 dB (1 kHz)) Output level: Video......1.0 Vp-p/75  $\Omega$  ( $\pm$ 0.2 V) Audio ......1.0 V (1 kHz, 0 dB) Number of channels ......2 (stereo) MP3 decoding format ......MPEG-1 & 2 Audio Layer 3 Frequency range ......87.5 - 108.0 MHz Usable sensitivity ......8 dBf (0.7  $\mu$ V/75  $\Omega$ , mono, S/ N: 30 dB) 50 dB quieting sensitivity ....10 dBf (0.9  $\mu$ V/75  $\Omega$ , mono) 0.1 % (at 65 dBf, 1 kHz, mono) Frequency response......30 - 15,000 Hz ( $\pm 3$  dB) Stereo separation......45 dB (at 65 dBf, 1 kHz) Selectivity......80 dB (±200 kHz) MW tuner Frequency range ......531 – 1,602 kHz (9 kHz) Usable sensitivity ......18  $\mu$ V (S/N: 20 dB) Signal-to-noise ratio......65 dB (IEC-A network) **LW** tuner Frequency range ......153 – 281 kHz Usable sensitivity .......30  $\mu$ V (S/N: 20 dB) Signal-to-noise ratio ............65 dB (IEC-A network)

#### Note:

• Specifications and the design are subject to possible modifications without notice due to improvements.

AVIC-N1/UC

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## 2. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "\*" are generally unavailable because they are not in our Master Spare Parts List.

- Screw adjacent to  $\nabla$  mark on the product are used for disassembly.
- For the applying amount of lobricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

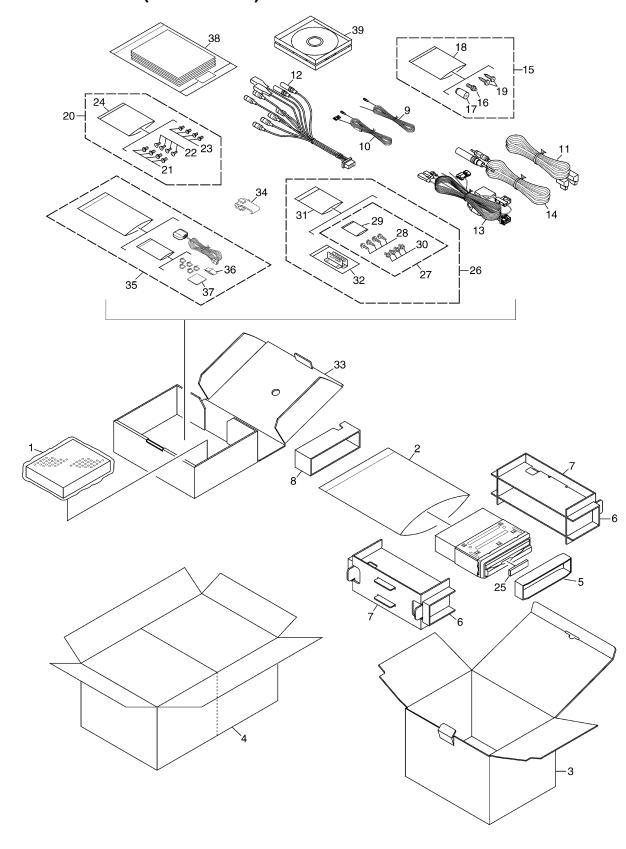
#### 2.1 PACKING (AVIC-N1/UC)

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AVIC-N1/UC

## PACKING (AVIC-N1/UC) SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No	<u>Description</u>	Part No.
1	Air Cushioned Bag	CEG1007	* 3	1 Polyethylene Bag	CEG1163
2	Polyethylene Bag	CEG1173	32	2 Angle Assy	CXC1079
3	Carton	CHG5201	33	3 Sub Carton	CHG5199
4	Contain Box	CHL5201	34	4 Connector	CKX1049
5	Protector	CHP2387	3	GPS Antenna Assy	CXB9354
6	Protector	CHP2445	30		CZN5442
7	Protector	CHP2446	3		CZN5453
8	Protector	CHP2555	38	.,,	CEG1116
9	Cord	CDE5044			CRB1915
10	Cord	CDE6825	38	-3 Owner's Manual	CRB1916
44	Orani Arani	ODE7000	38	-4 Owner's Manual/PA/FRE	CRB1917
11	Cord Assy	CDE7398			CRB1917
12	Cord Assy	CDE7399			CRD1910 CRD3837
13	Cord Assy	CDE7487			CRP1310
14	Antenna Cable	CDH1325			ARY1048
15	Accessory Assy	CEA3685	30	-o Gaid	AIX1 1040
16	Screw	CBA1650	38	-9 Cleaning Cloth Assy	CEA3952
17	Bush	CNV1917	* 38-	10 Registration Card	CRY1229
* 18	Polyethylene Bag	E36-615	39	DVD-ROM	CPJ1158
19	Screw	JGZ20P070FTC			
20	Screw Assy	CEA3686			
		D147-0000-770			
21	Screw	BMZ50P060FTC			
22	Screw(M4x6)	CBA1468			
23	Screw	CMZ50P060FTC			
* 24	Polyethylene Sheet	CNM4338			
25	Spacer	CNM9149			
26	Accessory Assy	CEA3996			
27	Screw Assy	CEA4396			
28	Screw	CBA1795			
* 29	Polyethylene Sheet	CNM4338			
30	Screw	HMF40P080FTC			

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#### Owner's Manual, Installation Manual

Part No.	Language
CRB1915, CRB1916	English
CRB1917, CRB1918	French
CRD3837	English, French

AVIC-N1/UC

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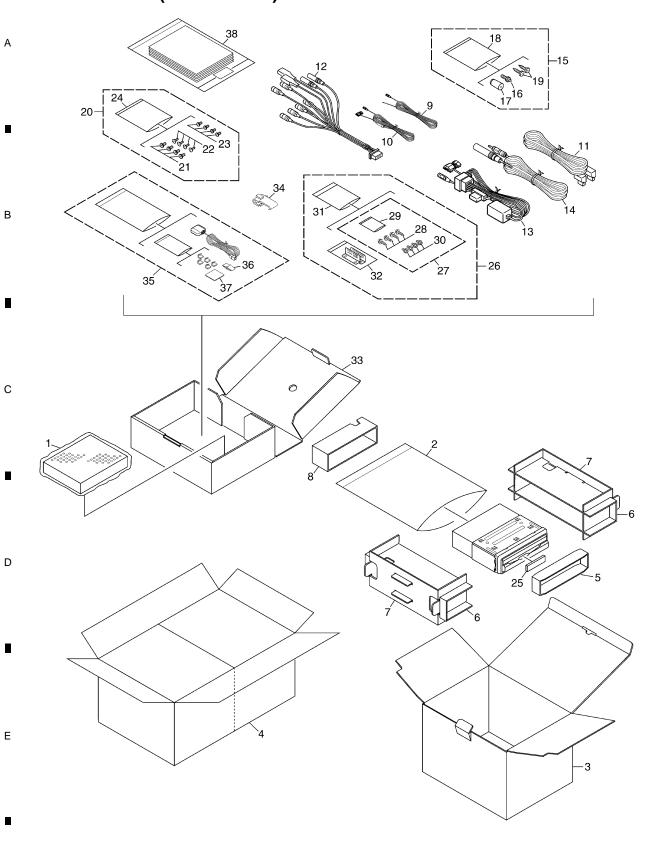
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## 2.2 PACKING (AVIC-X1/EW)



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AVIC-N1/UC

## PACKING (AVIC-X1/EW) SECTION PARTS LIST

Active (Avio-XVEW) decrease Active Elect						
Mark	<u>No.</u>	<b>Description</b>	Part No.	Mark No.	<u>Description</u>	Part No.
	1	Air Cushioned Bag	CEG1007	* 31	Polyethylene Bag	CEG1163
	2	Polyethylene Bag	CEG-162	32	Angle Assy	CXC1079
	3	Carton	CHG5200	33	Sub Carton	CHG5199
	4	Contain Box	CHL5200	34	Connector	CKX1049
	5	Protector	CHP2387	35	GPS Antenna Assy	CXB9354
	6	Protector	CHP2445	36	Water Proof Pad	CZN5442
	7	Protector	CHP2446	37	Sheet	CZN5453
	8	Protector	CHP2555	38-1	Polyethylene Bag	CEG1116
	9	Cord	CDE5044	38-2	Owner's Manual/PEE/ENG	CRB1903
	10	Cord	CDE6825	38-3	Owner's Manual/PEE/ENG	CRB1904
	11	Cord Assy	CDE7398	38-4	Owner's Manual/PEE/SPE	CRB1905
	12	Cord Assy	CDE7399	38-5	Owner's Manual/PEE/SPE	CRB1906
	13	Cord Assy	CDE7486	38-6	Owner's Manual/PEE/GER	CRB1907
	14	Antenna Cable	CDH1325	38-7	Owner's Manual/PEE/GER	CRB1908
	15	Accessory Assy	CEA3685	38-8	Owner's Manual/PEE/FRE	CRB1909
	16	Screw	CBA1650	38-9	Owner's Manual/PEE/FRE	CRB1910
	17	Bush	CNV1917	38-10	Owner's Manual/PEE/ITA	CRB1911
*	18	Polyethylene Bag	E36-615	38-11	Owner's Manual/PEE/ITA	CRB1912
	19	Screw	JGZ20P070FTC	38-12	Owner's Manual/PEE/DUT	CRB1913
	20	Screw Assy	CEA3686	38-13	Owner's Manual/PEE/DUT	CRB1914
	21	Screw	BMZ50P060FTC	38-14	Installation Manual	CRD3836
	22	Screw(M4x6)	CBA1468	* 38-15	Passport	CRY1013
	23	Screw	CMZ50P060FTC	* 38-16	Warranty Card	CRY1157
*	24	Polyethylene Sheet	CNM4338	38-17	Cleaning Cloth Assy	CEA3952
	25	Spacer	CNM9149	38-18	Sheet	CNM8603
	26	Accessory Assy	CEA3996	* 38-19	Lock Tie	CNV-754
	27	Screw Assy	CEA4396			
	28	Screw	CBA1795			
*	29	Polyethylene Sheet	CNM4338			
	30	Screw	HMF40P080FTC			

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#### Owner's Manual, Installation Manual

Part No.	Language
CRB1903, CRB1904	English
CRB1905, CRB1906	Spanish
CRB1907, CRB1908	German
CRB1909, CRB1910	French
CRB1911, CRB1912	Italian
CRB1913, CRB1914	Dutch
CRD3836	English, Spanish, German, French, Italian, Dutch

AVIC-N1/UC

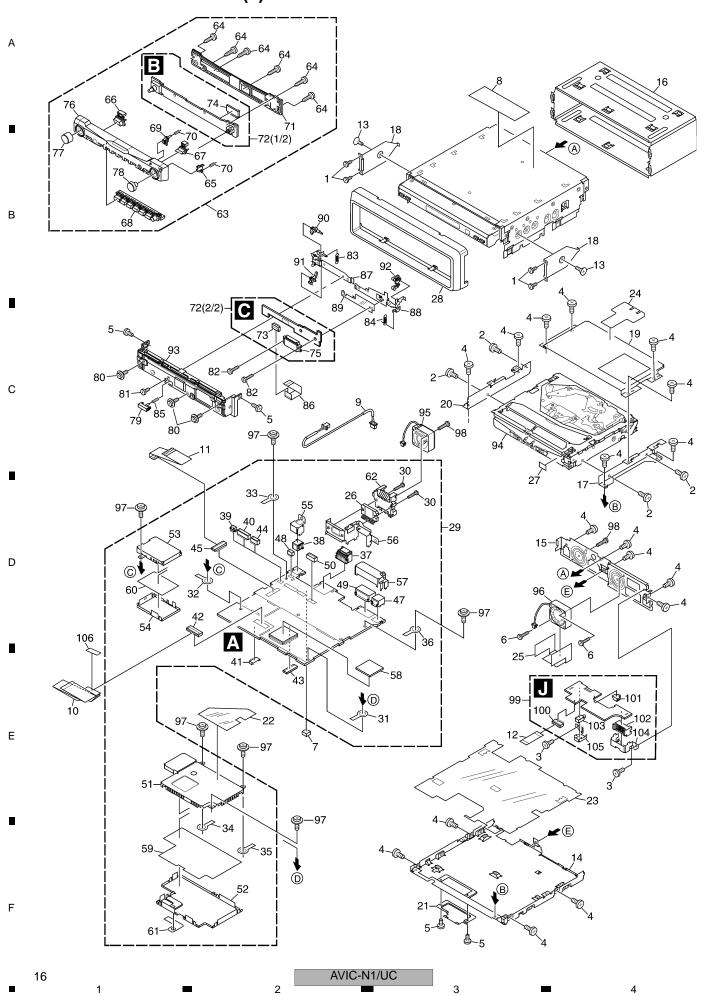
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2.3 NAVIGATION UNIT (1)



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### **NAVIGATION UNIT (1) SECTION PARTS LIST**

NAVIGAI	TION UNIT (1) SECTION	PARTS LIST				
Mark No.	<u>Description</u>	Part No.	<u>Mark No.</u>	<u>Description</u>	Part No.	
1	Screw	BMZ20P030FZK	57	Holder	CND1955	
2	Screw	BMZ20P035FTC	58	Sheet	CNM7902	Α
3	Screw	BMZ26P025FTC	59	Insulator	CNM8572	, ,
	Screw	BMZ26P040FTC				
4			60	Insulator	CNM8573	
5	Screw(M2x2.5)	CBA1615	61	Insulator	CNM8856	
6	Screw(M2.6x12)	CBA1620	62	Heat Sink	CNR1739	
7	Spacer	CNM9200	63	Detach Grille Assy(UC model)	GXC1006	
8	Label(EW model)	VRW1860		Detach Grille Assy(EW model)	GXC1005	
9	Cord Assy	CDE7401				
10	FFC	CDE7402	64	Screw	BPZ20P080FZK	
			65	Button(DETACH)	CAC8431	
11	FFC	CDE7403	66	Button(SRC)	CAC8432	
12	FFC	CDE7727	67	Button(EQ)	CAC8433	
13	Screw	CMZ50P060FTC	68	Button	CAC8434	В
			00	Batton	07100101	
14	Case	CNB2929	69	Putton/PESET)	CAC8503	
15	Panel	CNB3048		Button(RESET)		
			70	Spring	CBH2680	
16	Holder	CNC9510	71	Cover	CNS7759	
17	Bracket	CND1438	72	Keyboard Unit(UC model)	CWM9133	
18	Bracket	CND1482		Keyboard Unit(EW model)	CWM9132	
19	Bracket	CND1603				
20	Bracket	CND1947	73	Connector(CN5901)	CKS3965	
20	Bracket	ONDIOTI	74	Connector(CN5501)	CKS4657	
24	Holdon	CND4049	75	Connector(CN5902)	CKS4658	
21	Holder	CND1948	76	Grille Unit(UC model)	CXC2562	
22	Insulator	CNM8043	70	Grille Unit(EW model)	CXC2561	_
23	Insulator	CNM8571		Grille Orlit(EW frioder)	CAC2501	С
24	Insulator	CNM8715		14 1 11 3/0 (OLUME)	01/00700	
25	Cover	CNM8874	77	Knob Unit(VOLUME)	CXC3733	
			78	Knob Unit(SELECT)	CXC3734	
26	IC(IC2405)	PAL007A	79	Button	CAC7953	
27	Spacer	CNM9246	80	Screw(M2x4)	CBA1734	
28	Panel	CNS7797	81	Screw(M2.6x2.5)	CBA1777	_
29	CC Unit(UC model)	CWM9129		,		
29	CC Unit(EW model)	CWM9128	82	Screw(M2x4)	CBA1778	
	CC Unit(EW model)	CVVIVI9128	83	Spring	CBH2681	
		D1.170.0D.100.FT0				
30	Screw	BMZ26P160FTC	84	Spring	CBH2682	
31	Terminal(CN100)	CKF1064	85	Spring	CBH2790	
32	Terminal(CN604)	CKF1064	86	FFC	CDE7405	D
33	Terminal(CN605)	CKF1064				D
34	Terminal(CN614)	CKF1064	87	Holder	CND1840	
	,		88	Holder	CND1841	
35	Terminal(CN615)	CKF1064	89	Insulator	CNM8510	
36	Terminal(CN2601)	CKF1064	90	Arm	CNV7567	
37	Connector(CN802)	CKM1332	91	Arm	CNV7568	
	,		•			
38	Connector(CN2552)	CKS1940	92	Arm	CNV7569	_
39	Connector(CN971)	CKS3124				
			93	Panel Unit	CXC2693	
40	Connector(CN608)	CKS3751	94	DVD Mechanism Module(MS3)		
41	Connector(CN2701)	CKS3810	95	Fan Motor	CXM1284	
42	Connector(CN2)	CKS4052	96	Fan Motor	CXM1289	
43	Connector(CN305)	CKS4052				Е
44	Connector(CN609)	CKS4068	97	Screw	ISS26P050FTC	
			98	Screw	PMZ20P160FTC	
45	Connector(CN607)	CKS4132	99	Mother Tuner Unit(UC model)	CWM9137	
	•••••	CR34132		Mother Tuner Unit(EW model)	CWM9136	
46		01/04470	100	,	CKS4871	
47	Connector(CN692)	CKS4473	100	Connector(Civ2001)	CN34071	
48	Connector(CN2551)	CKS4571	404	0 (010000)	01/00/04	
49	Connector(CN731)	CKS4646	101	,	CKS3124	
				Connector(CN2803)	CKM1365	
50	Connector(CN691)	CKS4814	103	` ,	CKS4752	
51	Shield	CND1949	104	Holder	CND1956	
52	Shield	CND1950	105	Holder	CND1957	
53	Shield	CND1950 CND1951				
			106	Insulator	CNM9236	F
54	Shield	CND1952	100	Juliutoi	31 41VIOZOU	
		01104050				
55	Holder	CND1953				
56	Holder	CND1954				

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### NAVIGATION UNIT (2) SECTION PARTS LIST

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	IION UNII (2) SECI			<b>-</b>		
Mark No.	<u>Description</u>	Part No.	<u>Mark</u> <u>No.</u>	<u>Description</u>	Part No.	
1	Drive Unit	CXB9508				
2	Screw(M2x3)	CBA1082	51	Gear	CNV7524	Α
3	Screw(M2x2.5)	CBA1250	52	Gear	CNV7529	
4	Screw(M2x4)	CBA1277	53	Chassis Unit	CXB9509	
5	Screw(M2x1.5)	CBA1615	54	Frame Unit	CXB9511	
	,		55	Holder Unit	CXB9512	
6	Washer	CBF1038				
7	Spring	CBH2645	56	Shaft Unit	CXB9513	_
8	Spring	CBH2646	57	Holder Unit	CXB9514	
9	Spring	CBH2647	58	Motor Unit(M3001)(Position)	CXB9515	
10	Spring	CBL1585	59	Motor Unit(M3002)(Angle)	CXB9516	
10	Opining	OBLIGOO	60	Screw	CZB3082	
11	Spring	CBL1586				В
12	Spring	CBL1587	61	Screw	CZB3083	
13	Spring	CBL1642	62	Washer	CZB3084	
14	· -	CDE7047	63	Screw(M2x1.8)	CZB3085	
	Cord Assy	CDE7047 CDE7213	64	Screw(M2x4)	CZB3088	
15	Cord Assy	GDE7213	65	Main Unit	CZW3087	
40	Ob - #	01.4.4070	00	Wall Offic	02110001	
16	Shaft	CLA4270	66	Screw	BMZ26P050FTC	
17	Shaft	CLA4305	67		CKS4068	
18	Shaft	CLA4306		Connector(CN3801)		
19	Shaft	CLA4309	68	Connector(CN3802)	CKS4732	
20	Bracket	CND1221	69	Connector(CN3803)	CKS4732	С
			70	Connector(CN3807)	CKS4733	
21	Case	CND1229		O (ONIOCO)	01/0.4700	
22	Holder	CND1318	71	Connector(CN3809)	CKS4733	
23	Holder	CND1449	72	Heat Sink	CND1228	
24	Sheet	CNM8522	73	IC(IC3801)	BA00AST	_
25	Sheet	CNM8037	74	SW Unit	CZW3088	
			75	Volume(VR3841)	CCW1025	
26	Insulator	CNM8048				
27	Insulator	CNM8158	76	Volume Unit	CZW3089	
28	Sheet	CNM8159	77	Screw	IMS20P020FTC	
29	Tape	CNM8160	78	Screw	IMS20P030FZK	D
30	Insulator	CNM8294	79	Washer	YE15S	
			80	Washer	CZB3089	
31	Gear	CNR1664				
32	Gear	CNR1665	81	Holder	CND1314	
33	Gear	CNR1677	82	Screw	JFZ20P022FNI	_
34	Gear	CNR1678	83	Cover	CNS7760	
35	Gear	CNR1679	84	Holder	CNV7446	
			85	Flexible PCB	CNP7621	
36	Gear	CNR1680				
37	Gear	CNR1688	86	Shield	CNM8969	
38	Gear	CNR1708	87	Screw(M2x2)	CBA1753	E
39	Gear	CNR1709	88	Screw(M2x3)	CBA1797	
40	Gear	CNV7383	89	Sheet	CNM9201	
41	Holder	CNV7384				
42	Holder	CNV7385				_
43	Rack	CNV7386				
44	Rack	CNV7387				
45	Slider	CNV7388				
-10		3.111.000				
46	Slider	CNV7389				
47	Holder	CNV7399				F
47	Arm	CNV7390				
49	Gear	CNV7522				
49	Geal	CINVIDEZ				

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2.5 NAVIGATION UNIT (3) 2 В 26-23(3/3) D <sup>2</sup>21 16—😜 23(2/3) 24-31–≰ Е G -23(1/3) F

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## NAVIGATION UNIT (3) SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.
1	Screw	BPZ20P060FTC
2	Button(NAVI/AV)	CAC8427
3	Button(NAVI MENU)	CAC8428
4	Button(OPEN/CLOSE)	CAC8430
5	Button(DISP,PGM)(UC model)	CAC8504
	Button(DISP,TA)(EW model)	CAC8429
6	LCD	CAW1828
7	FFC	CDE7488
8	Holder	CND2010
9	Holder	CND2419
10	laculator	CNIMOC16
10 11	Insulator	CNM8616 CNM8707
12	Spacer Sheet	CNM8858
13	Cushion	
13	Lighting Conductor	CNM9148 CNV7564
14	Lighting Conductor	CINV7504
15	Touch Panel	CSX1073
16	Screw(M2x2.5)	CBA1615
17	FFC	CDE7196
18	Holder	CND2418
19	Sheet	CNM7784
20	Insulator	CNM8031
21	Sheet	CNM8265
22	Conductor	CNM8857
23	Monitor Unit(UC model)	CWM9135
	Monitor Unit(EW model)	CWM9134
24	Connector(CNI4904)	CK52004
24 25	Connector(CN4801) Connector(CN4005)	CKS3991 CKS4054
	Connector(CN4301)	CKS4054 CKS4054
26 27	Connector(CN4301)	CN34054
28	Connector(CN5002)	CKS4428
20	Connector(CN3002)	C1\04420
29	Connector(CN4003)	CKS4595
30	Connector(CN5001)	CKS4595
31	Connector(CN4681)	CKS4675
32	Connector(CN4002)	CKS4793
33	Connector(CN4701)	CKS4818
34	LCD Panel	CWX3056
35	Grille Unit(UC model)	CXC3730
	Grille Unit(EW model)	CXC3729

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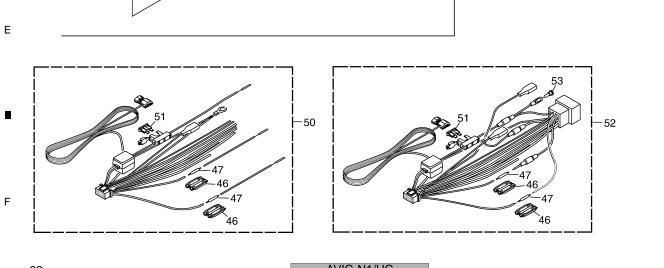
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## 2.6 HIDEAWAY UNIT AND CORD ASSY 40 27 K D



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HIDEAWAY UNIT AND CORD ASSY SECTION PARTS LIST										
Mark No.	Description	Part No.	Mark No.	<u>Description</u>	Part No.					
1	Screw	BMZ26P030FTC								
2	Screw	BMZ26P060FZK	47	Resistor	RS1/2PMF102J					
3	Screw	BSZ26P060FTC	48	Cord Assy	CDE7399					
4	Screw(M2.6x12)	CBA1620	49	Cap	CNV6727					
5	Chassis	CNA2697	50	Cord Assy(UC model)	CDE7487					
3	01103313	014A2037	51	Fuse(10A)	CEK1136					
6	Case(UC model)	CNB2925		,						
U	Case(EW model)	CNB2924	52	Cord Assy(EW model)	CDE7486					
7	Holder	CND1905	53	Cap(EW model)	CKX-003					
8	Insulator	CNM8565	54	Cord(EW model)	CDH1332					
9	Gasket	CNM8954	55	Shield(EW model)	CND1337					
9	Gaskei	CINIVIO954	56	Shield(EW model)	CND1964					
10	Mother Tuner Unit(UC model)	CWM9137	-	S(211)	0.12.00.					
10	Mother Tuner Unit(EW model)	CWM9137	57	Tuner Unit(Y1801)(EW model)	CWE1674					
4.4	Screw	BMZ26P060FTC	58	Transistor(Q1907)	2SB1629					
11	Cord Assy(CN1951)	CDE7397	59	Transistor(Q1908,1909)	2SD2396					
12			00	(Q 1000, 1000)	2002000					
13	FM/AM Tuner Unit(UC model)	CWE1651								
	EM/AM Tupor Unit/EM/ model)	CWE1650								
4.4	FM/AM Tuner Unit(EW model)	CWE1650								
14	Connector(CN101,102)	CKS4653								
15	Holder	CND1432								
16	Pin Jack(CN1351)	CKB1065								
17	Terminal(CN1401)	CKF1064								
40	Tampain al/CNI4 400)	OKE4004								
18	Terminal(CN1403)	CKF1064								
19	Terminal(CN1903)	CKF1064								
20	Terminal(CN1904)	CKF1064								
21	Pin Jack(CN1301)	CKS2918								
22	Pin Jack(CN1701)	CKS2918								
00	Compostor(CN14050)	CKCOAOA								
23	Connector(CN1950)	CKS3124								
24	Connector(CN1101)	CKS3414								
25	Connector(CN551)	CKS4065								
26	Connector(CN1841)	CKS4065								
27	Connector(CN552)	CKS4280								
28	•••••									
26 29		CKS4590								
30	Connector(CN1201)	CKS4646								
31	Connector(CN1001)	CKX1056								
32	Antenna Jack(CN1402) Holder	CND1900								
32	Tiolder	CND1900								
33	Holder	CND1901								
34	Holder	CND1901								
35	Holder	CND1902 CND1903								
36	Holder	CND1903								
37	GPS Unit(UC model)	CWX2960								
31	or o office model)	OWAZJOO								
	GPS Unit(EW model)	CWX2929								
38	Connector(CN461)	CKS4280								
39	Connector(CN504)	CKS4432								
40	Shield	CNC9192								
40	Holder	CNC9252								
41	FICIUCI	JINOJEJE								
42	Shield	CND1161								
42	Fan Motor	CXM1293								
43 44	Screw	ISS26P060FTC								
44 45	Cord	CDE6825								
45 46	Cap	CNS1472								
40	Jap	OINO 1472								

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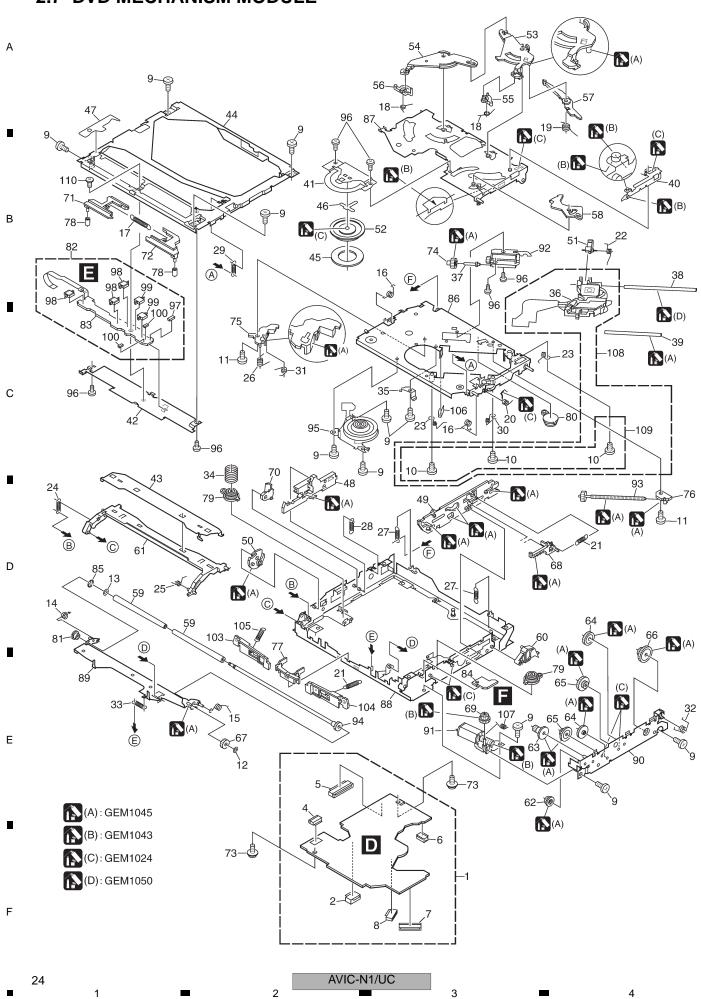
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#### 2.7 DVD MECHANISM MODULE



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DVD MECHANISM MODULE SECTION PARTS LIST										
Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.					
1	DVD Core Unit(MS3)	CWX2941	* 57	Arm	CNV7163					
2	• ,	CKS4282	58	Arm	CNV7164	Α				
	Connector(CN1501)		59	Roller	CNV7165					
3	Connector(CN1401)	CKS4052	60							
4	Connector(CN1202)	CKS4624	60	Arm	CNV7166					
5	Connector(CN1611)	CKS4052	C4	Cuida	CNIV (0.000					
			61	Guide	CNV8093					
6	Connector(CN1603)	CKS4374	62	Gear	CNV7169					
7	Connector(CN1101)	CKS4625	63	Gear	CNV7170					
8	Connector(CN1201)	CKS4067	64	Gear	CNV7171					
9	Screw	BMZ20P020FTC	65	Gear(Black)	CNV7172					
10	Screw(M2 x 3.5)	CBA1571								
.0	G01011(1112 X 0.0)	05/110/1	66	Gear	CNV7173					
11	Sorow(M2 v 2 E)	CBA1623	67	Gear	CNV7174					
11	Screw(M2 x 2.5)		68	Rack	CNV7175					
12	Washer	CBF1038	69	Gear	CNV7175 CNV7176	В				
13	Washer	CBF1064								
14	Spring	CBH2586	70	Arm	CNV8077					
15	Spring	CBH2587								
			71	Lever	CNV7178					
16	Spring	CBH2588	72	Lever	CNV7179					
17	Spring	CBH2589	73	Screw	IMS20P030FTC					
18	Spring	CBH2590	74	Gear	CNV7181					
19		CBH2591	75	Holder	CNV7183					
	Spring		.0	riolasi	3.117.100					
20	Spring	CBH2592	76	Holder	CNV7184					
21	Spring	CBH2593	77	Guide	CNV7745					
22	Spring	CBH2594	78	Roller	CNV7344	_				
23	Spring	CBH2595	79	Damper	CNV7470	С				
24	Spring	CBH2596	80	Damper	CNV7471					
25	Spring	CBH2597								
	-1 3		81	Collar	CNV7645					
26	Spring	CBH2598	82	Compound(A)	CWX3024					
	. •		* 83	Gathering PCB	CNX4277					
27	Spring	CBH2599	84	Compound(B)	CWX2753					
28	Spring	CBH2600	85							
29	Spring	CBH2601	65	Washer	YE20FTC					
30	Spring	CBH2602								
			86	Chassis Unit	CXB8680					
31	Spring	CBH2603	87	Arm Unit	CXB8681					
32	Spring	CBH2604	88	Frame Unit	CXB8683					
33	Spring	CBH2605	89	Arm Unit	CXB8684	D				
34	Spring	CBH2711	90	Bracket Unit	CXB8685					
35	Spring	CBL1564								
33	Opinig	OBE1304	91	Motor Unit(LOADING)(M1)	CXB8687					
200	Dislam Hait/Comiss//DDS)	CVV4C20	92	Motor Unit(CARRIAGE)(M2)	CXB8688					
36	Pickup Unit(Service)(DP5)	CXX1639	93	Screw Unit	CXB8689					
37	Shaft	CLA3881								
38	Shaft	CLA4206	94	Roller Unit	CXB8690					
39	Shaft	CLA4207	95	Motor(SPINDLE)(M3)	CXM1280					
40	Lever	CNC9933								
			96	Screw	JFZ20P018FTC					
41	Holder	CNC9939	97	Photo-transistor(Q1299)	CPT231SCTD					
42	Holder	CND2251	98	Switch(S1201)	CSN1051					
43	Holder	CNC9941	99	Spring Switch(S1204)	CSN1052					
44	Frame	CND2250	100		RS1/16S0R0J	Е				
				. (. (. (. 200)						
45	Sheet	CNM6883	101	••••						
46	Sheet	CNM8283	102		0111/					
47	Sheet	CNM8287	103		CNV7742					
48	Lever	CNV8076	104		CNV7743	_				
49	Lever	CNV7155	105	Spring	CBH2710					
50	Cam	CNV7156								
	-		106	Spring	CBL1643					
51	Rack	CNV7157	107	. •	CBH2712					
			108	, ,	GXX1234					
52	Clamper	CNV7158	100	Screw Assy	CXX1750					
53	Arm	CNV7159				F				
54	Arm	CNV7160	110	Screw(M1.4xM1.4)	CBA1787	г				
55	Arm	CNV7161								
FC	Λ	CNI\ /7460								

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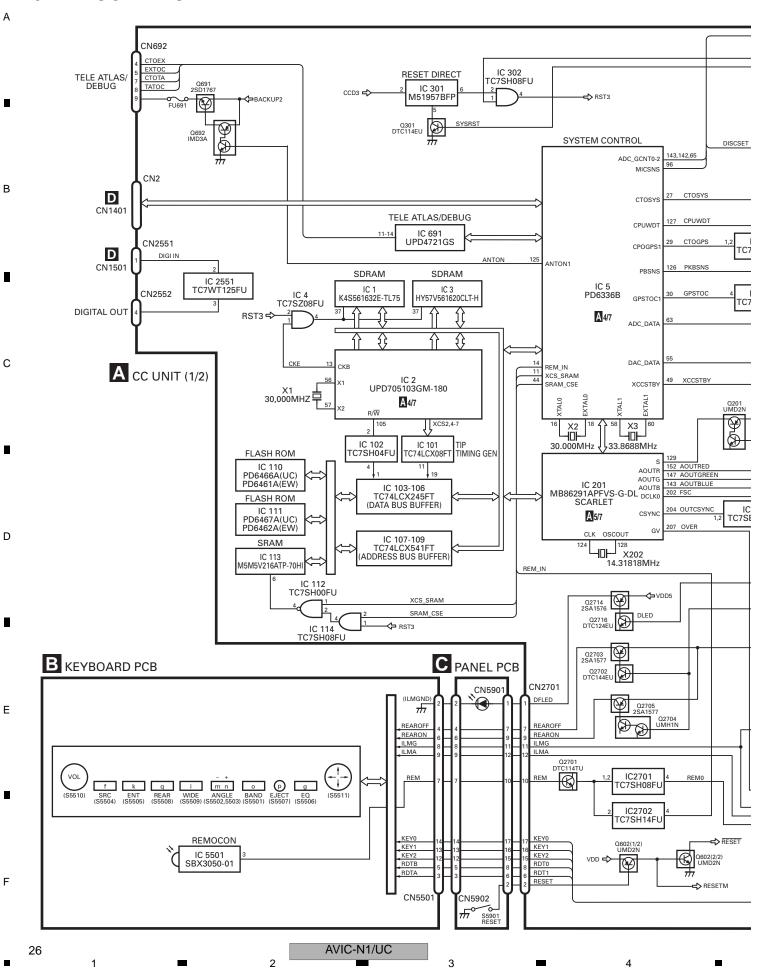
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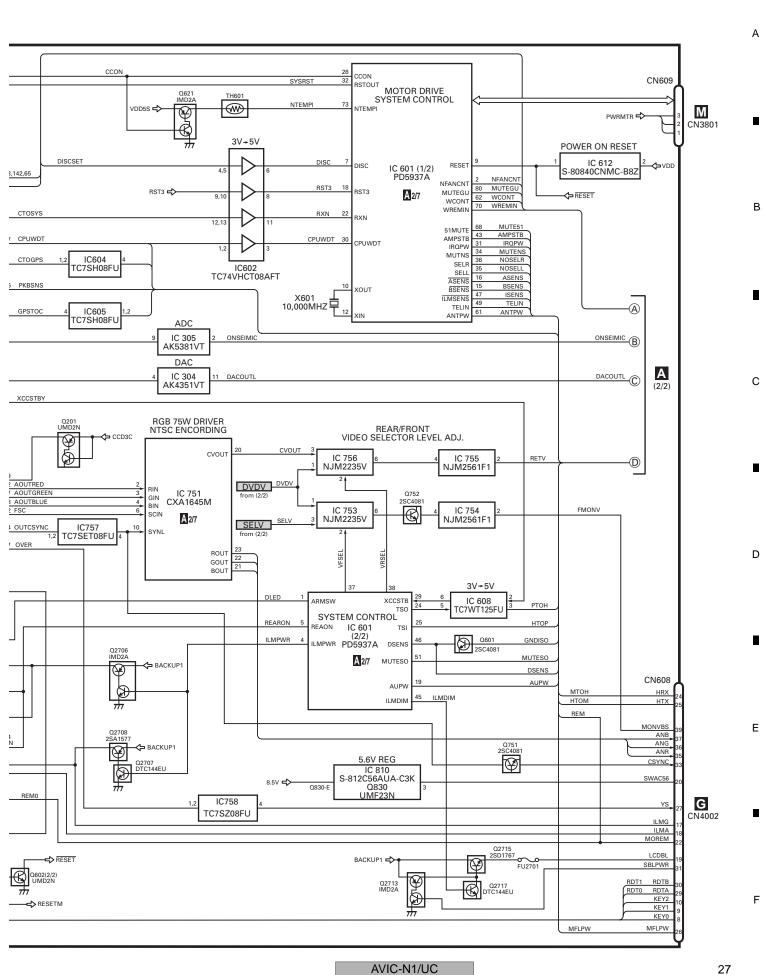
CNV7162

## 3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

#### 3.1 BLOCK DIAGRAM

F





A CC UNIT (2/2) CN607 0754 2SC4081 VIDEO OUT DVDV ADC\_GCNT0-2 MIC HPF MIC AMP LPF,AMP ATT MUTE Q2604,2605,2607 DTC323TU IC2601(1/2) NJM3403AV IC2601(2/2) Q2402 DTC323TU ANALOG LOUT DVD BUFF. RETL NJM3403AV Q2603,2606,2608 UMD2N & DVD LPF ELECT SOU IC2407 MUTE NJM3403A\ Q2403 DTC323TU ANALOG ROUT RETR A 3/7 DVDL 42 D DVDR 36 **MUTE CONT** CN161 Q2401 SELL 43 SELR 35 MMUTE UMD2N CONTB MUTE 20 **⇔**CONTB /CONTA **⇔** CONTA VDT 18 VCK 17 SLVSTS IC309 TC7SH08FU CL XRES ,R SEP AMP MUTE LPF IC2402 TC7W66FU IC2553 Q2409 IC2552 NJM2068V DTC323TU MUTE CONT ONSEIMUTE1 Q2408 UMD2N (A) NOSELI NOSELR ONSEIMIC MUTENS Α **(D)** MUTE CONT IC2408 NJM2107F VDD5  $\Theta$ BUP➪≻  $\Theta$ CN731 MUTEVOL Q805 RSQ030P03 DSWBUP -FU809 OFMT MUTEAMP MUTEAMP RESETM RESETM Q806 DTC144EU VST VDT Q2422 2SC4081 VCK PWRMTR 💝 PWRVI -FU806 RETR RETL PWRFL - FU801 Q2419 UMD2N SELR SELL **⇔** MBUP VDD = Q821 2SA1834F5 K <del>\*\*\*</del> 0822 DTC114EU BSENS CN100 REM МТОН AMPSTB 8.0V REG HTOM FU802 HTOP IC805 DVD8 <-**<**≒ BAC CTOGP TPS5103IDB GPSTOC Q811 Q801 2SB1260 RK4936 PTOH Q802 DTC114EU CONTB € 8.5<mark>V, 5V REG</mark> IC603 TC7SH08FU IC611 IC613 TC7SH00FU CCD5 IC803 TPS5102IDBT FU804 CPUWDT1 8.5V <= **♦** RESET Q815,819 AU85 RK4936 Q807 2SB1260 SELV AUPW 0808 DTC114EU AVIC-N1/UC

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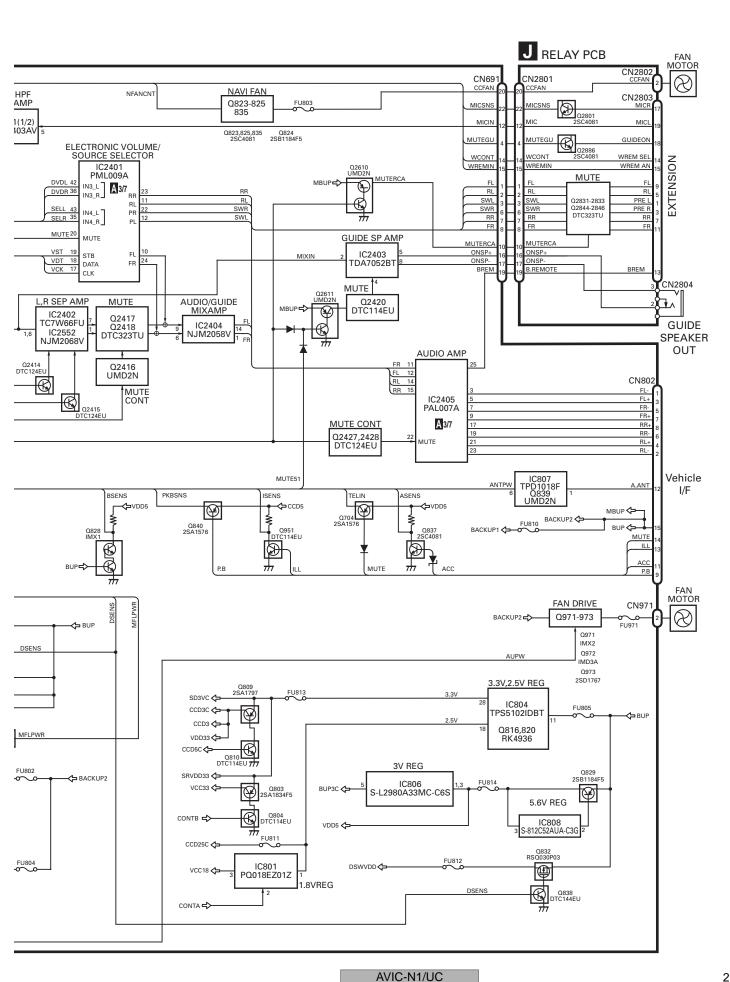
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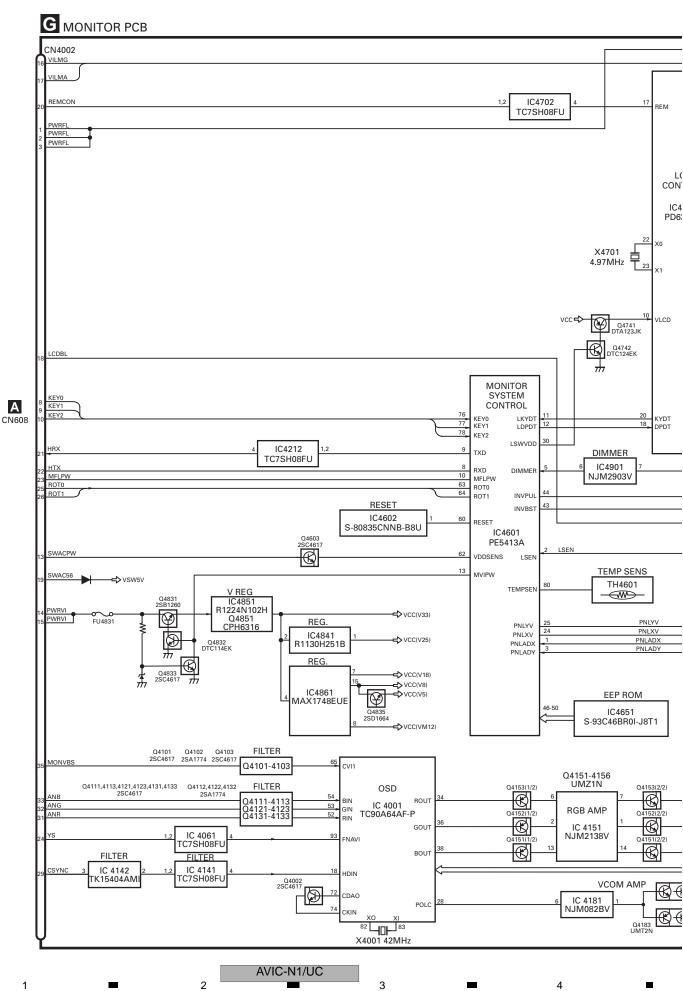
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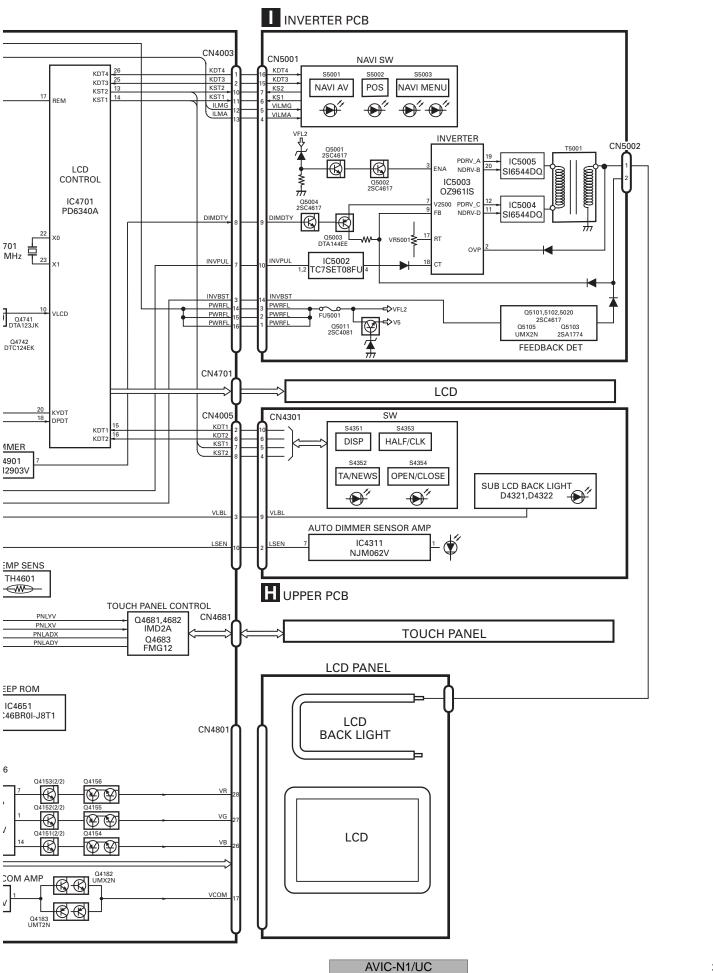
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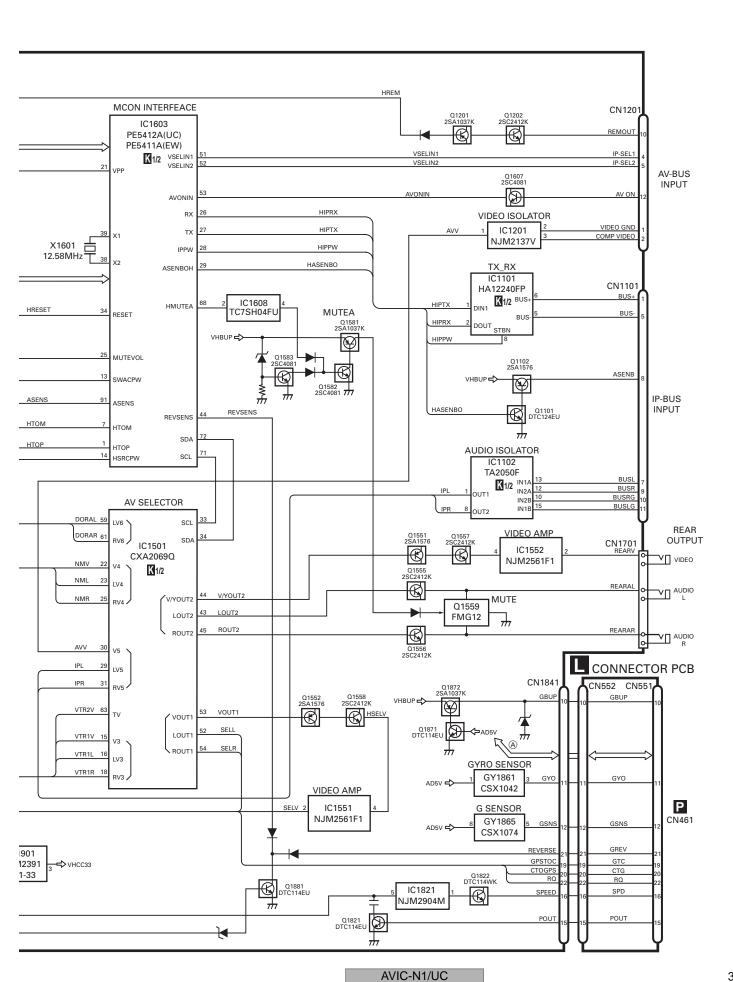
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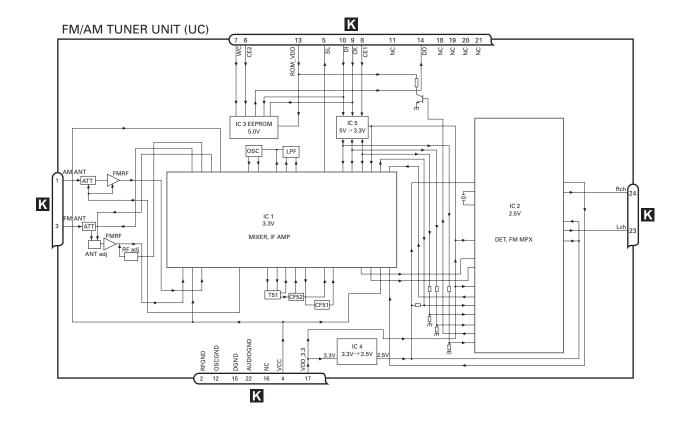
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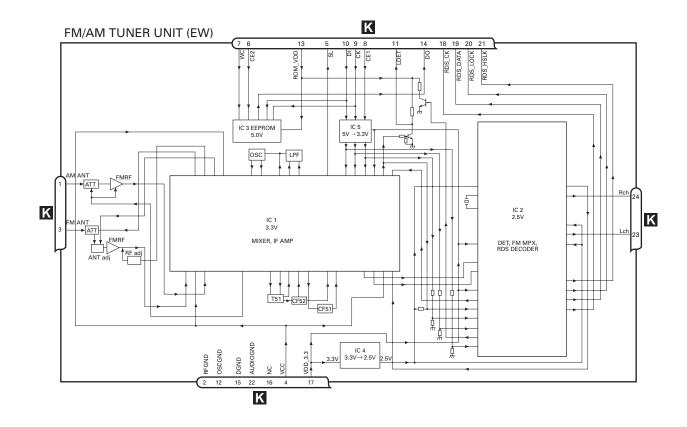
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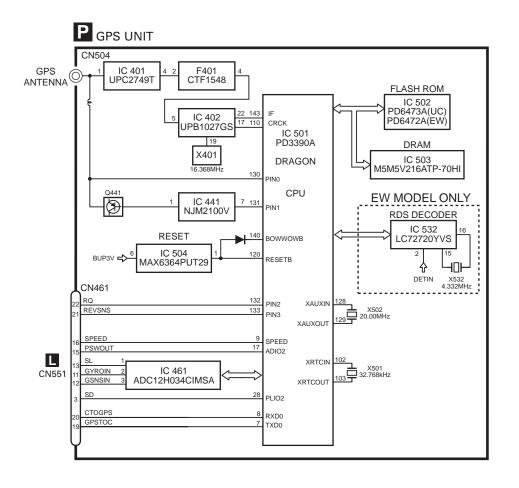
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34 AVIC-N1/UC

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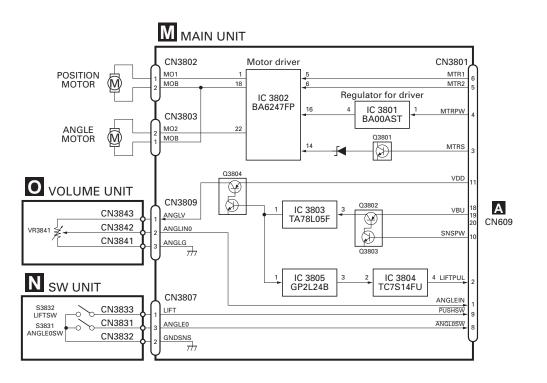
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AVIC-N1/UC

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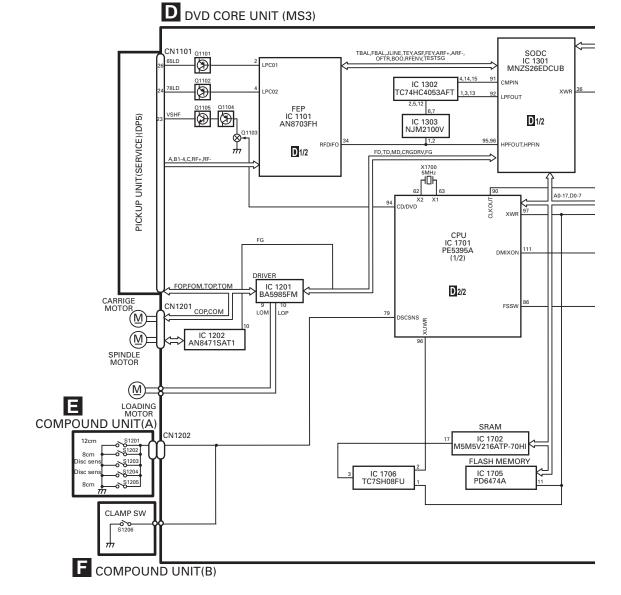
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AVIC-N1/UC

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SDRAM SODC IC 1301 IZS26EDCUB IC 1501 K4S641632F-TC75 AV CHIP IC 1503 MN677531KAUB IC 1502 TC74VCX74FT CN1401 IC 1401 TC74LCX245FT A CN2 STENABLE STCLK STVALID IC 1504 TC74VCX74FT D 2/2 D 1/2 IC 1405 TC74LCX244FT IC 1505 TC7PA04FU T,HPFIN IC 1403 TC74LCX244F1 A0-17,D0-7 CLOCK GEN. VCC33 IC 1507 SM8707FV IC 1402 TC7SH04FU Q1501 CN1501 IC 1607 TC74VHC541FT A CN2551 IC 1601 MN5B00UB ADOUT1,2 A0-3,D0-7 CN1611 IC 1605 PCM1742KE VIDEO OUT IC 1804 PQ1X251M2ZP IC 1602 NJM2100M ANALOG ROUT A CN607 IC 1604 NJM2100V CPU IC 1701 PE5395A(2/2) D 2/2 AMUTE,VCONTA,VCONTB,XRESET,IRQPWR,HSTCMD,SLVSTS

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AVIC-N1/UC

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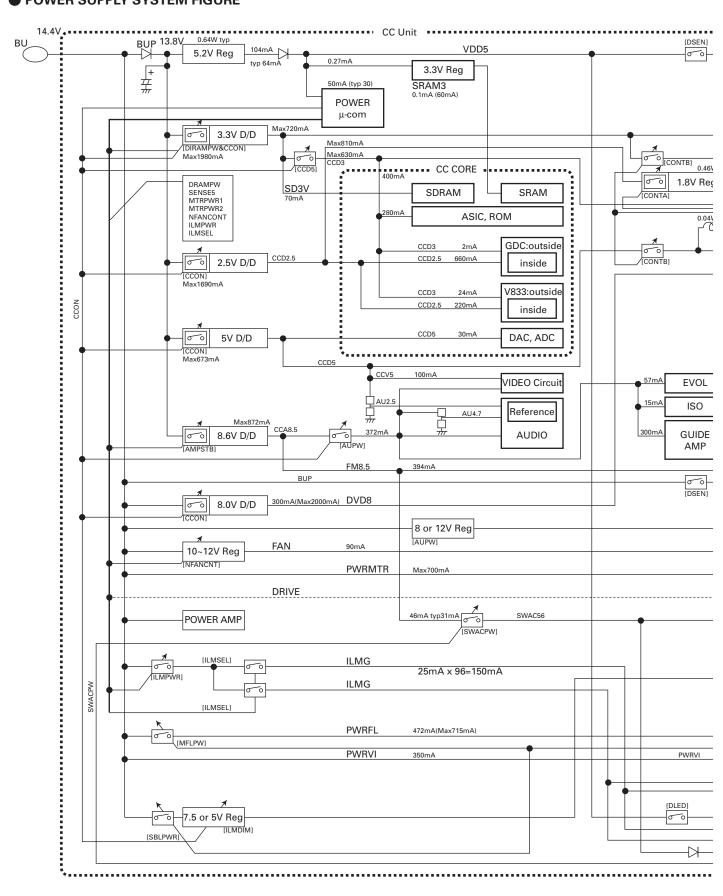
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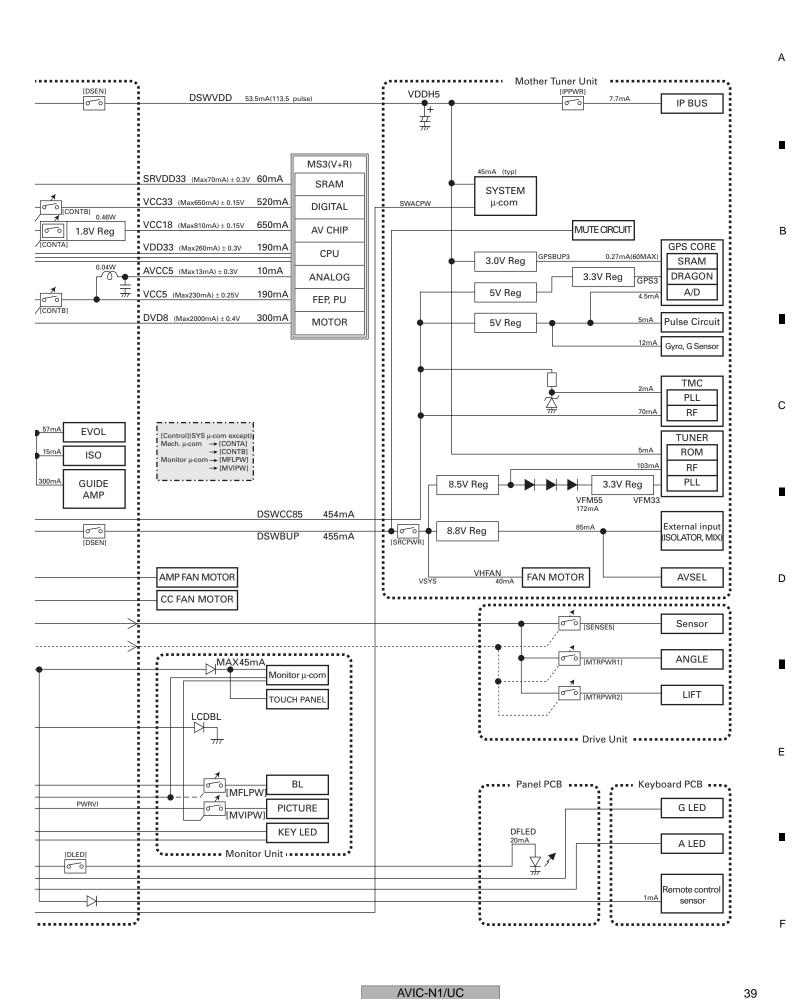
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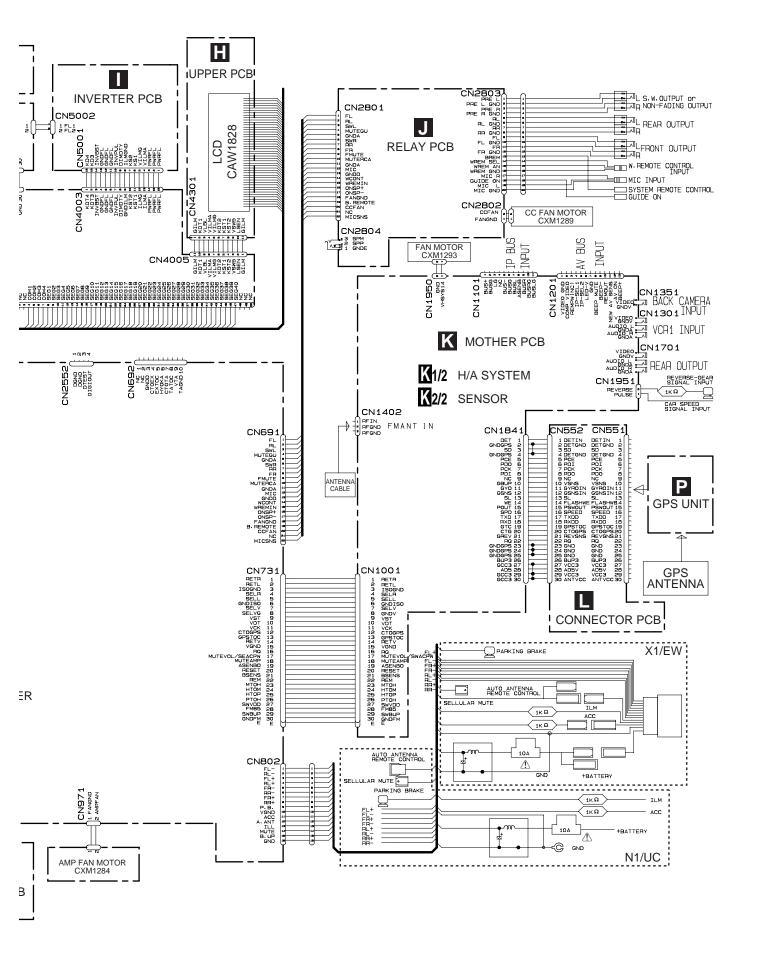
#### Note: When ordering service parts, be sure to refer to " EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST". CN4681 **TOUCH PANEL** - Symbol indicates a resistor. Decimal points for resistor No differentiation is made between chip resistors and and capacitor fixed values discrete resistors. are expressed as : INV → Symbol indicates a capacitor. 2.2 → 2R2 No differentiation is made between chip capacitors and 0.022 → R022 CN5002 U å FLå← discrete capacitors. LCD PANEL CWX3056 The $\triangle$ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation. ( M ) ( M ) : The power supply is shown with the marked box. CN3803 CN3802 сизвоэ 0 G **VOLUME UNIT** ANGLG MONITOR PCB CN47 MAIN UNIT CN3807 Ν 1 ANGLY 2 GNDSNS 3 ANGLED SW UNIT CN GOOD IT PAGE 128 IT PAGE 1 CN1401 DGND DGND DTEST DIGIOUT CN2 A CONTRACTOR OF THE CONTRACTOR 30 GND 93 DIEIF **DVD MECHANISM** A CC UNIT MODULE **1/7** P/S A 2/7 SYSCOM, VIDEO, IF CNBO7 40 AVCCC 33 NCCC 33 NCCC 33 NCCC 33 NCCC 33 NCCC 34 NCCC 35 NCCC 35 NCCC 36 NCCC 36 NCCC 37 NCCC 37 NCCC 38 NCCC CN607 **3/7** AUDIO 4/7 CPU, ASIC, SDRAM 5/7 GRAPHIC A 6/7 MAIN, CC CORE I/F 7/7 ROM, SRAM, BUS-BUFFER CN2551 CN971 CN1501 <u>CN5902</u> CN5501 AMP FAN В C

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AVIC-N1/UC

PANEL PCB

KEYBOARD PCB



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AVIC-N1/UC

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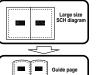
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### 3.3 CC UNIT (P/S)(GUIDE PAGE)

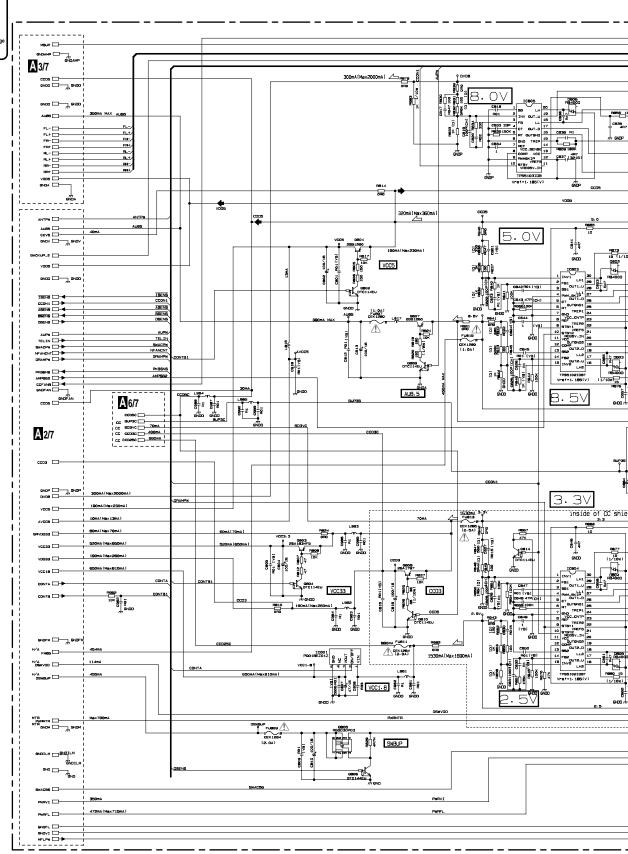


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A-a 1/7

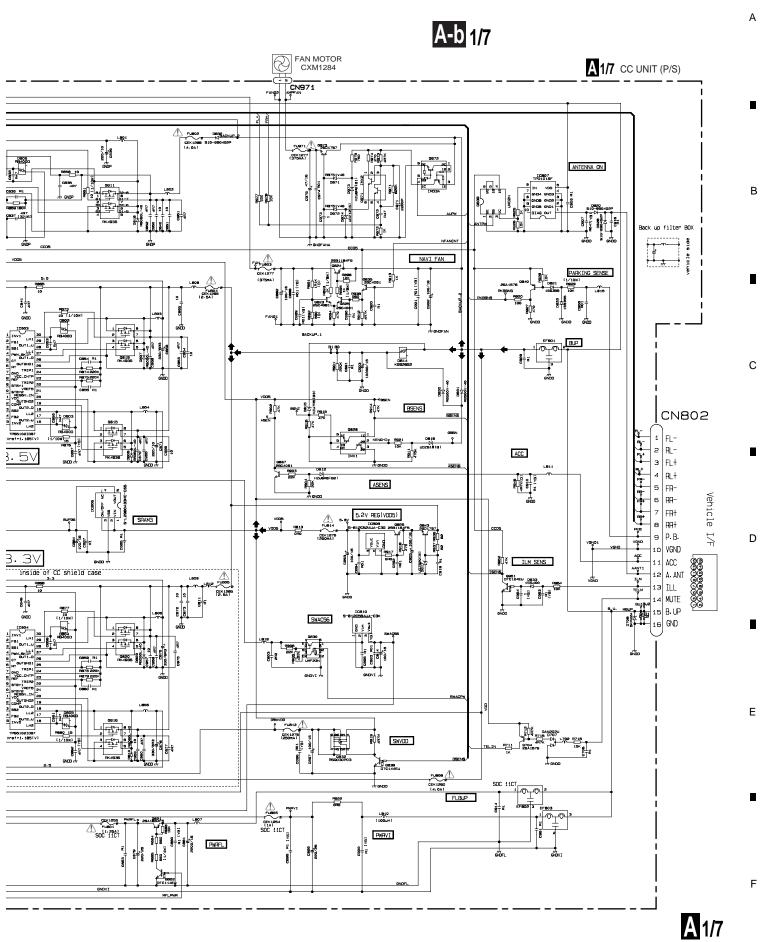


**A** 1/7

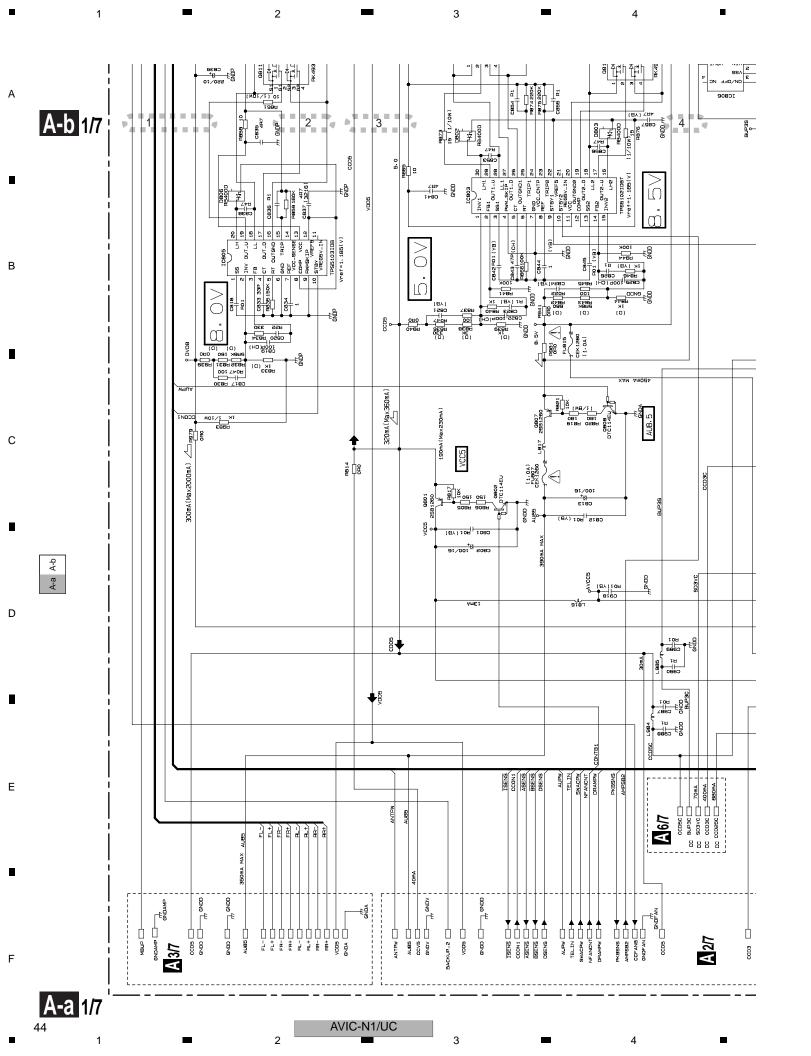
AVIC-N1/UC

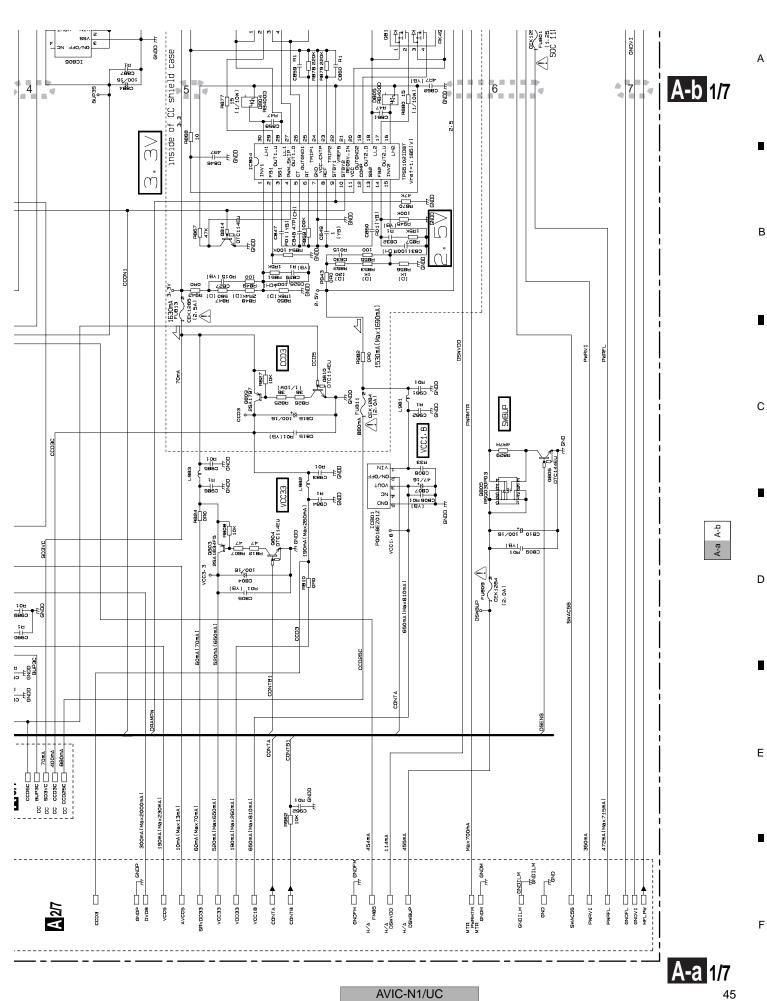
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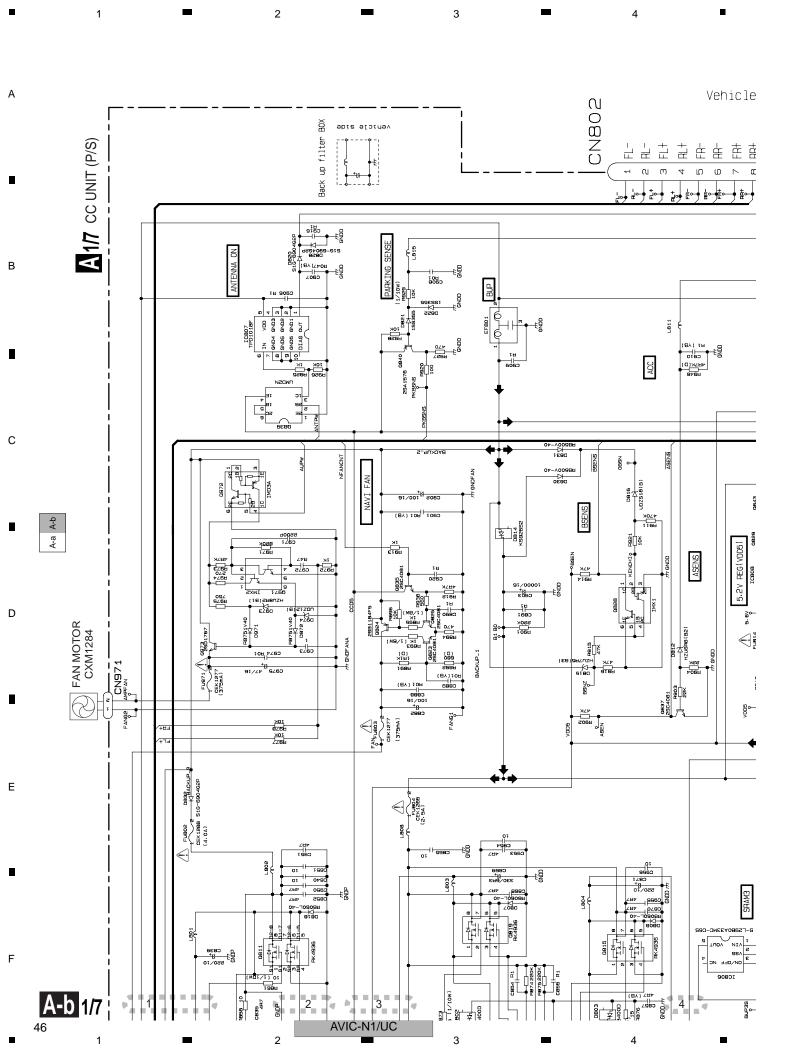
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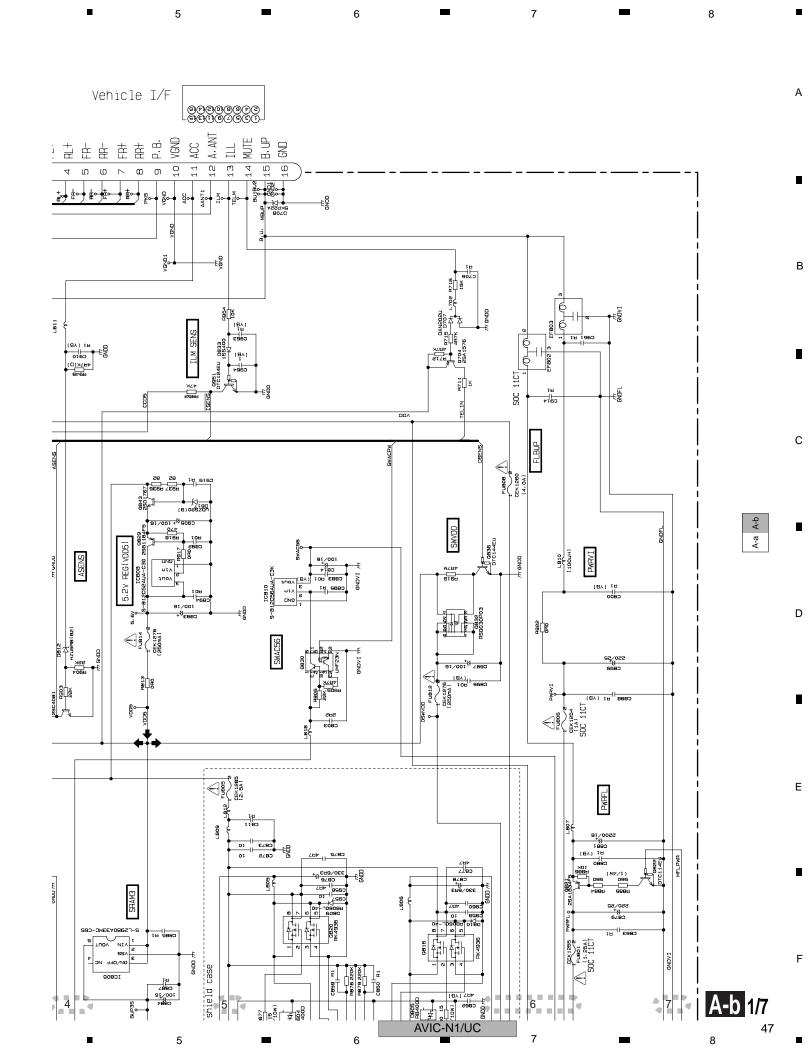


AVIC-N1/UC

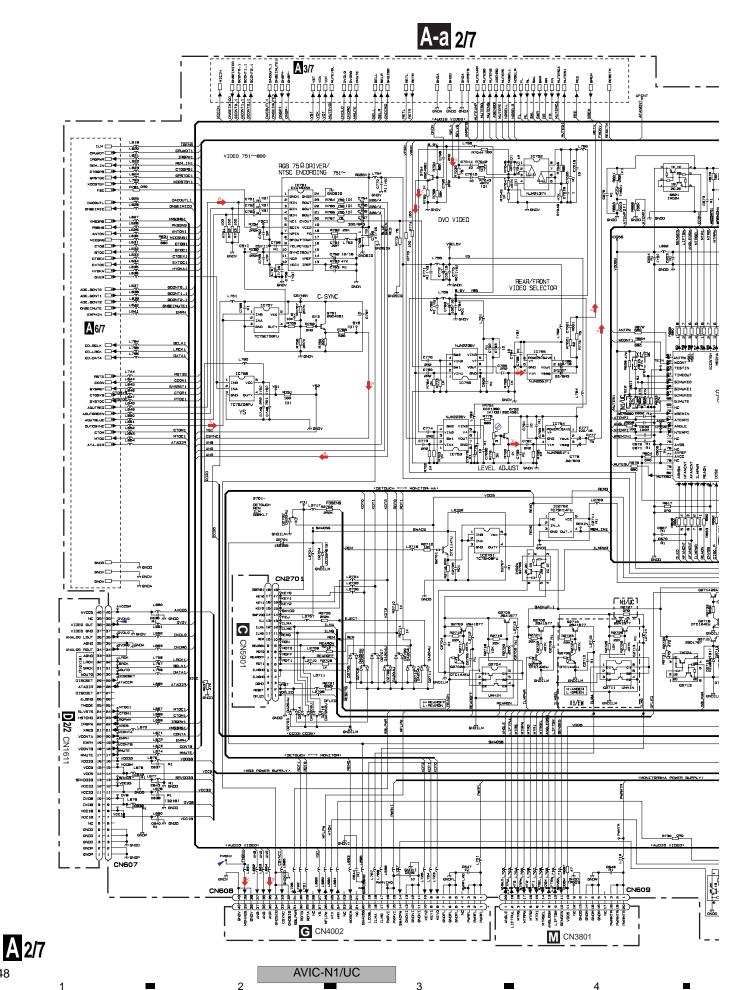








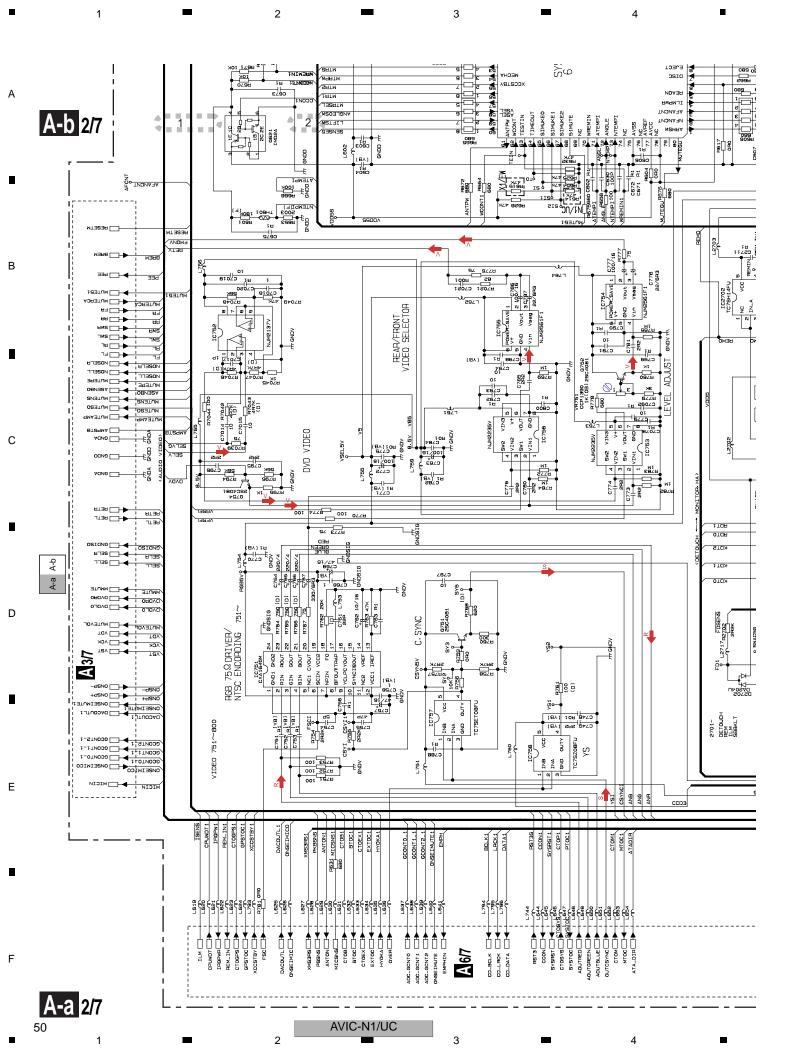
### 3.4 CC UNIT (SYSCOM, VIDEO, IF)(GUIDE PAGE)

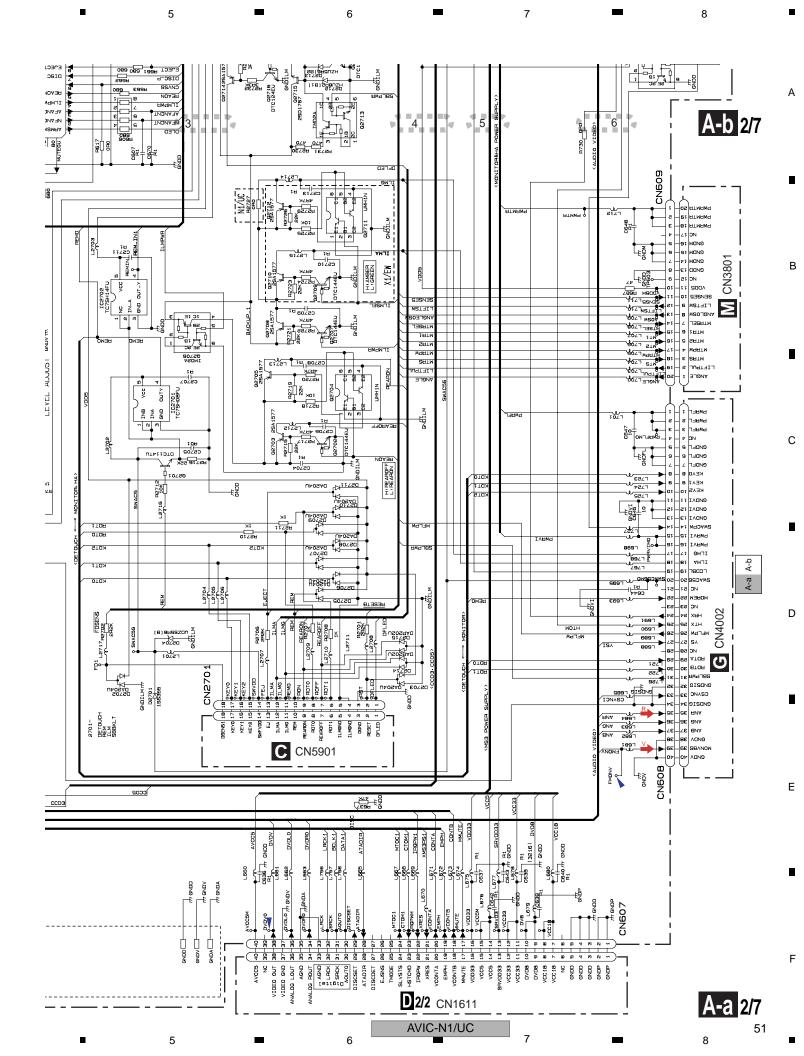


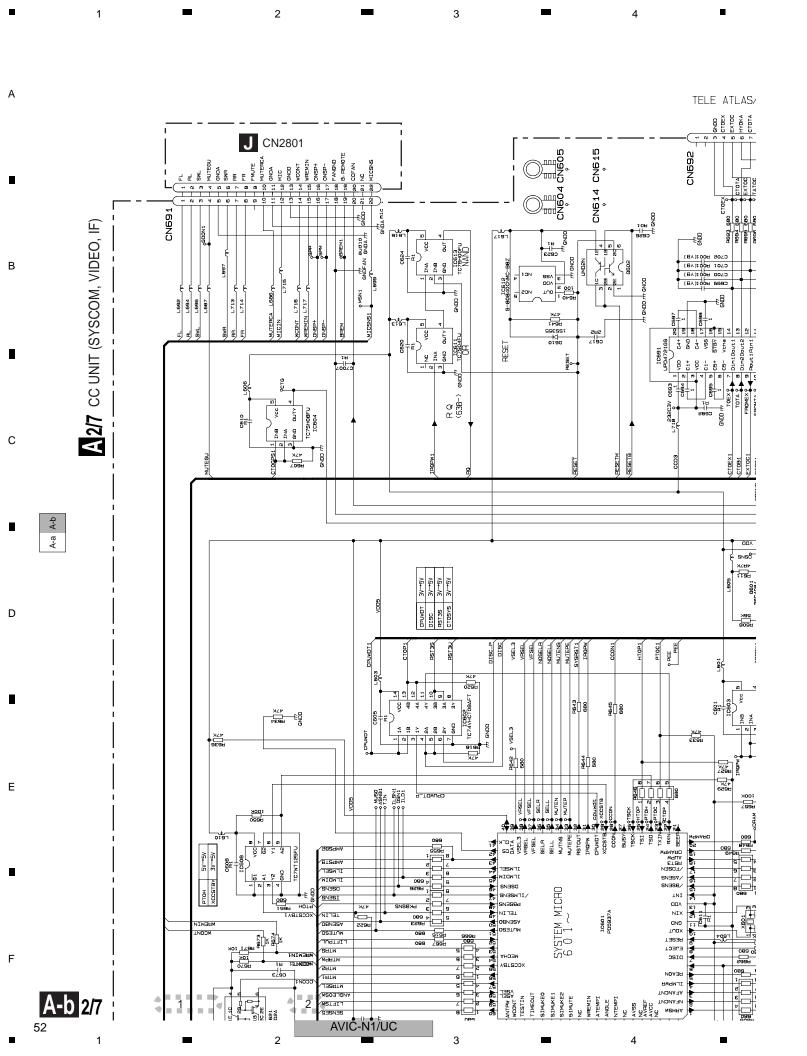
A-b 2/7 A 2/7 CC UNIT (SYSCOM, VIDEO, IF) **2**00€ В OILBNS DENI OILDI SYSTEM MICHO 6 0 1  $\sim$ CN614 CN615 D Е EF732 Composite Video Signal RGB Signal SYNC Signal A 2/7 Audio Signal AVIC-N1/UC

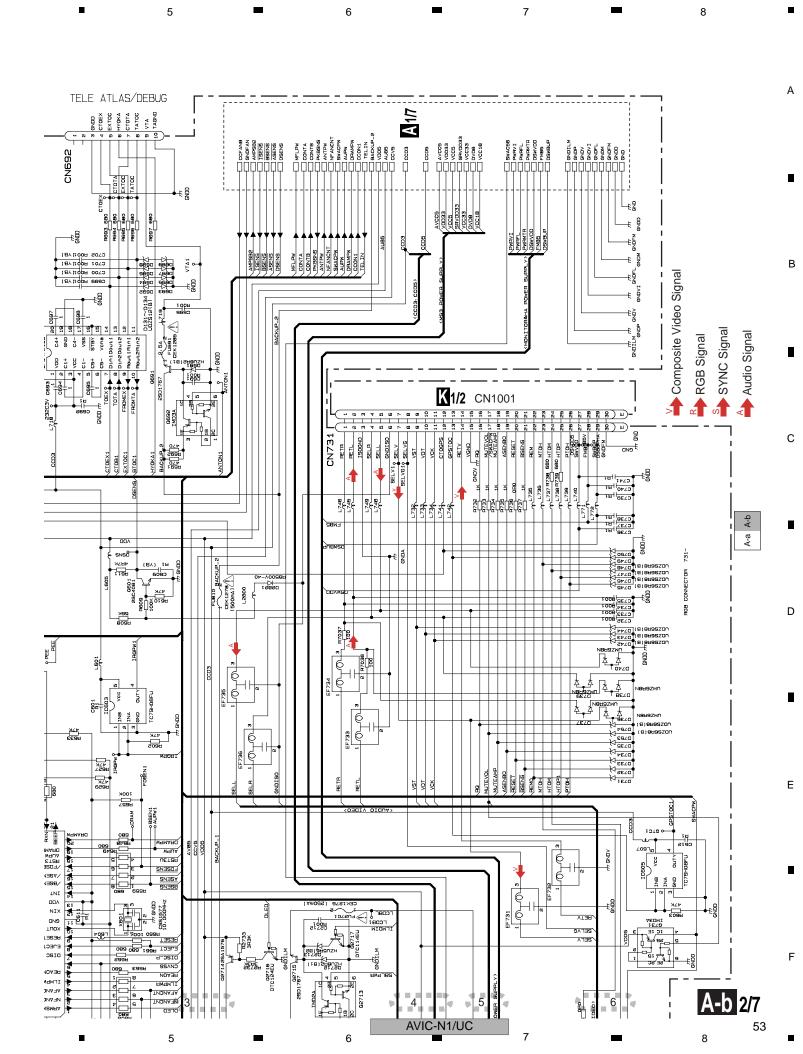
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# A-a 3/7 MIC AMP MIC HPF A 1/7 MIC 1101~ MICIN C2018 A 2/7 R2502 (1/8w) GNDO ATT AU4.7V 1011~ DVD BUFF. 1301~ DVD LPF AUDIO MIX A 2/7 ONSEIMUTE H:MUTE ON L:MUTE OFF A 1/7 DIGITAL OUT CN2552 DIGITAL OUT A 3/7 AVIC-N1/UC

## A-b 3/7

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A 3/7 CC UNIT (AUDIO)

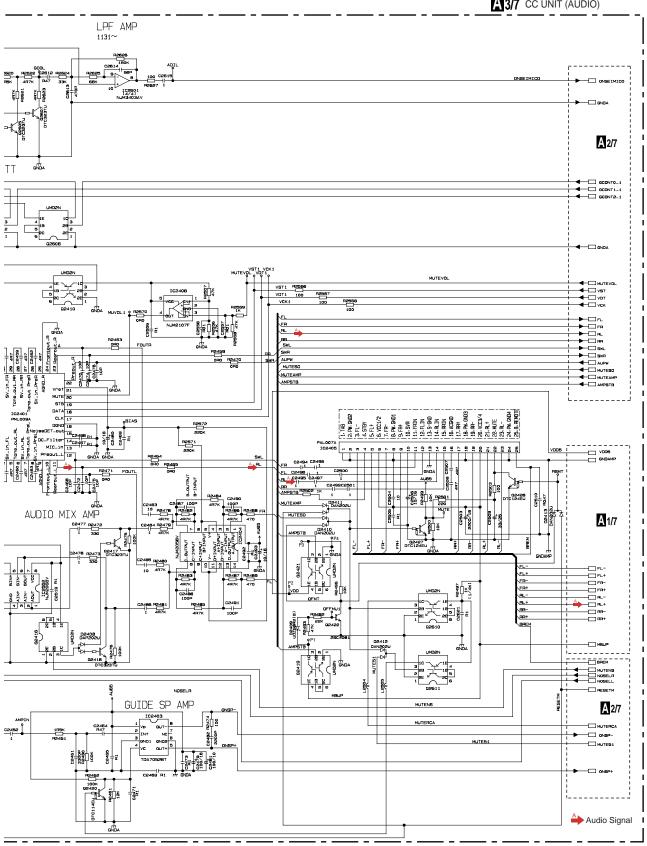
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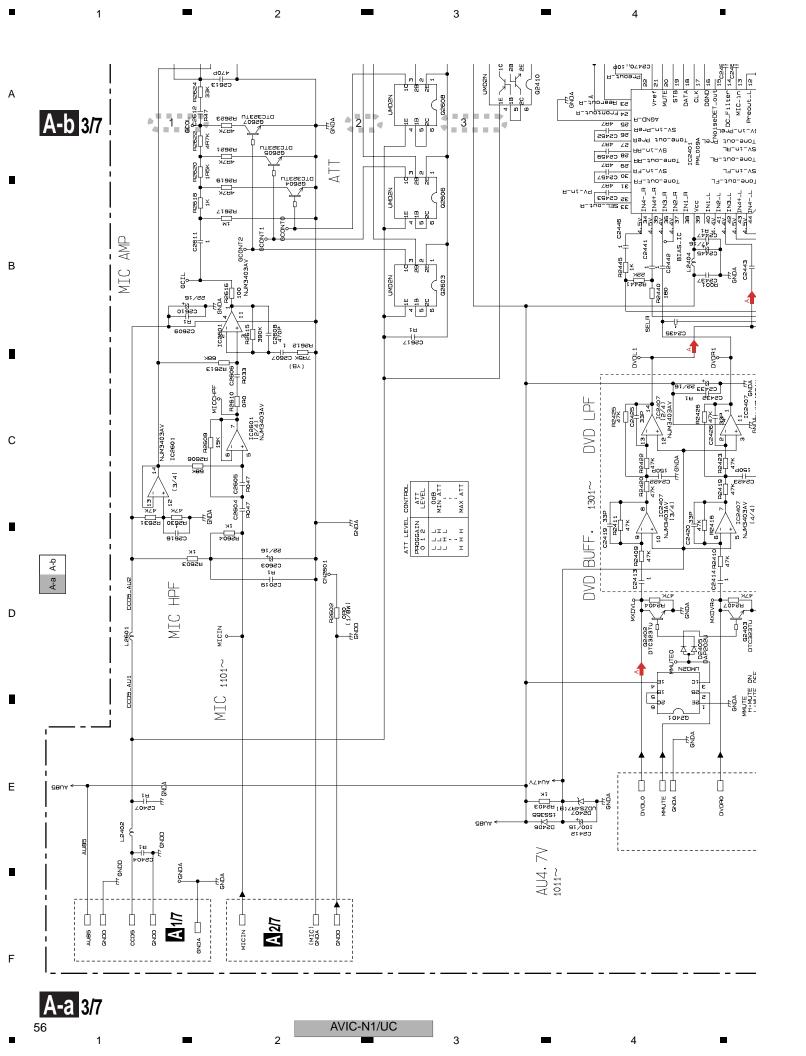
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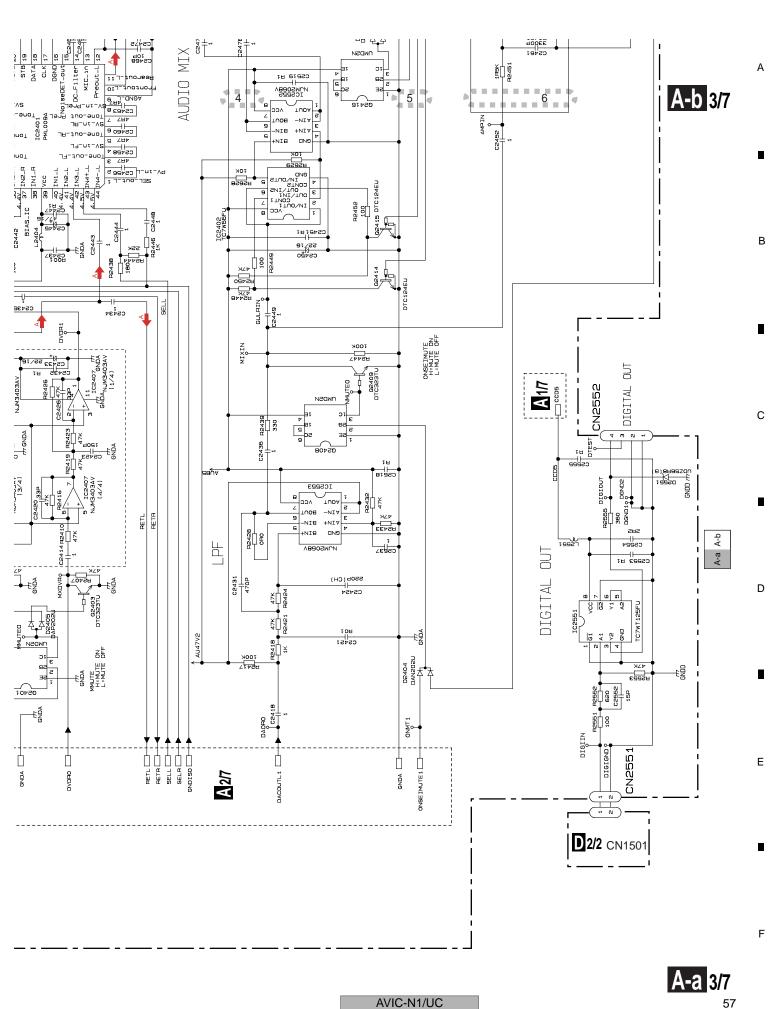
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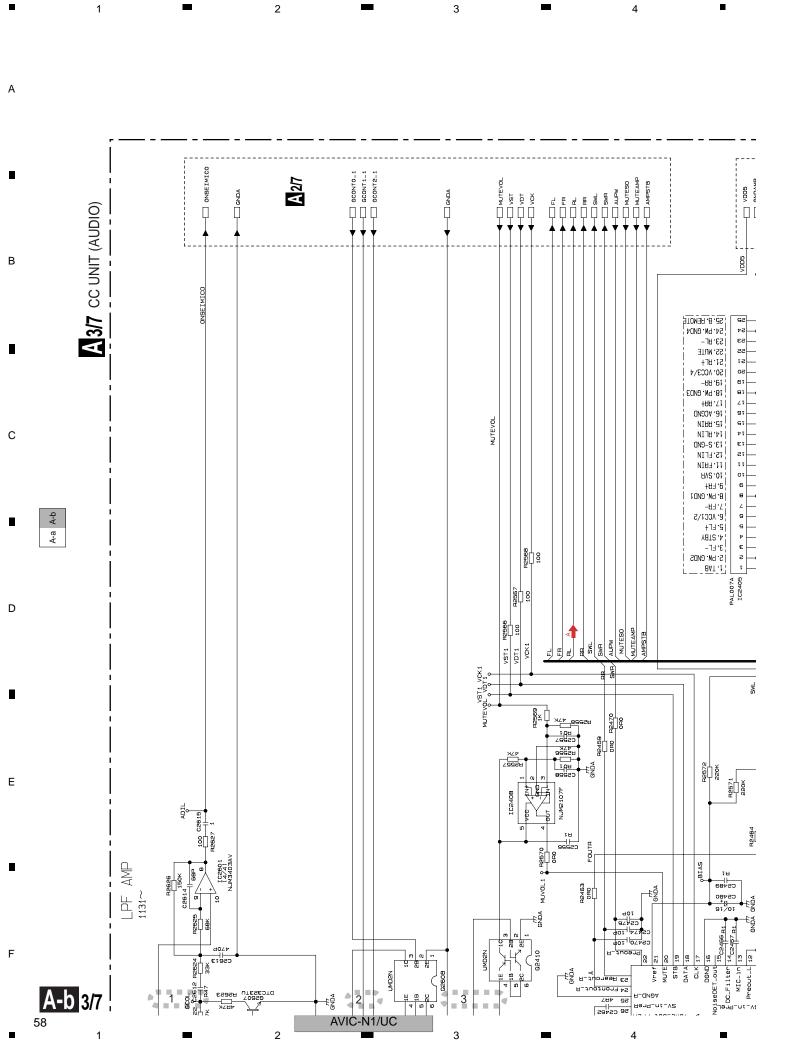
A 3/7

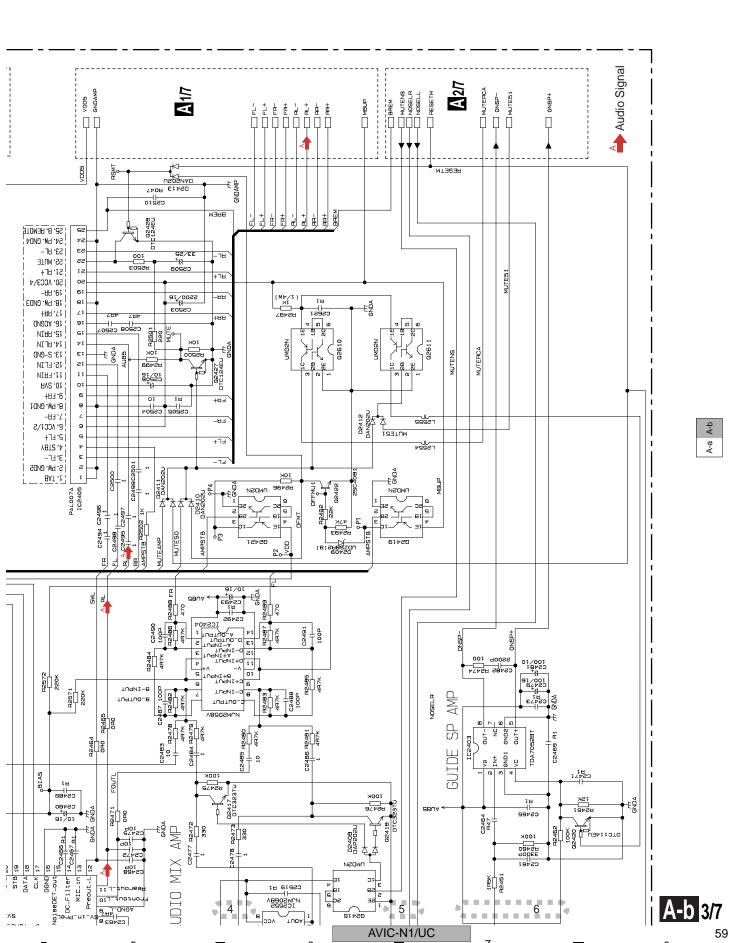
AVIC-N1/UC





AVIC-IVI/OC





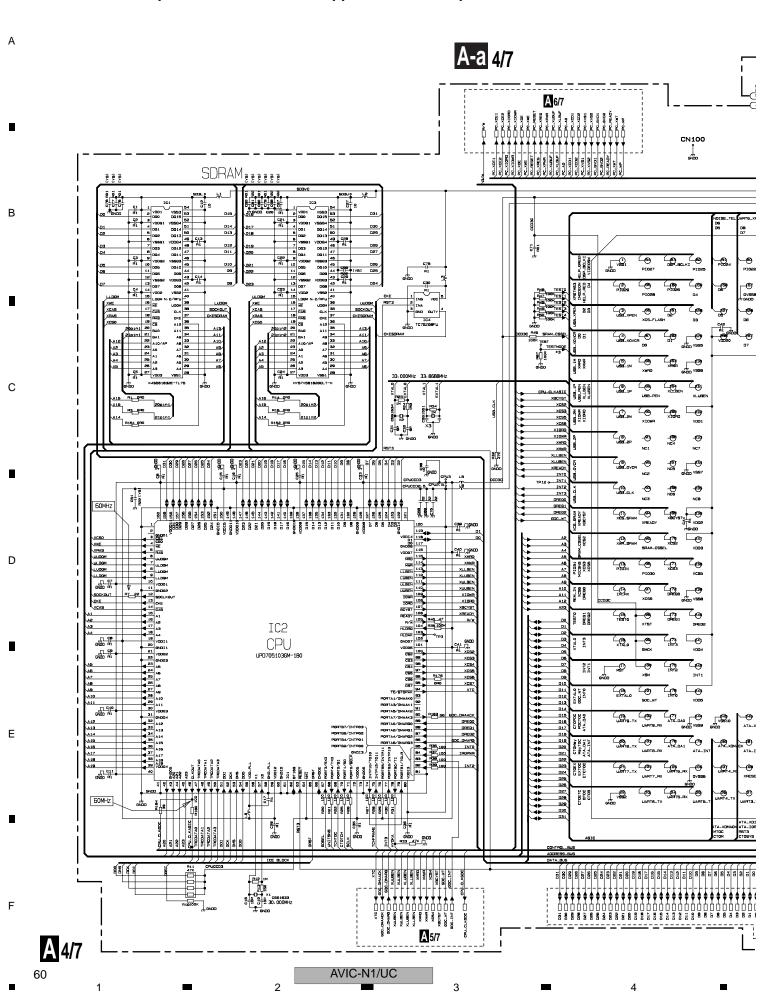
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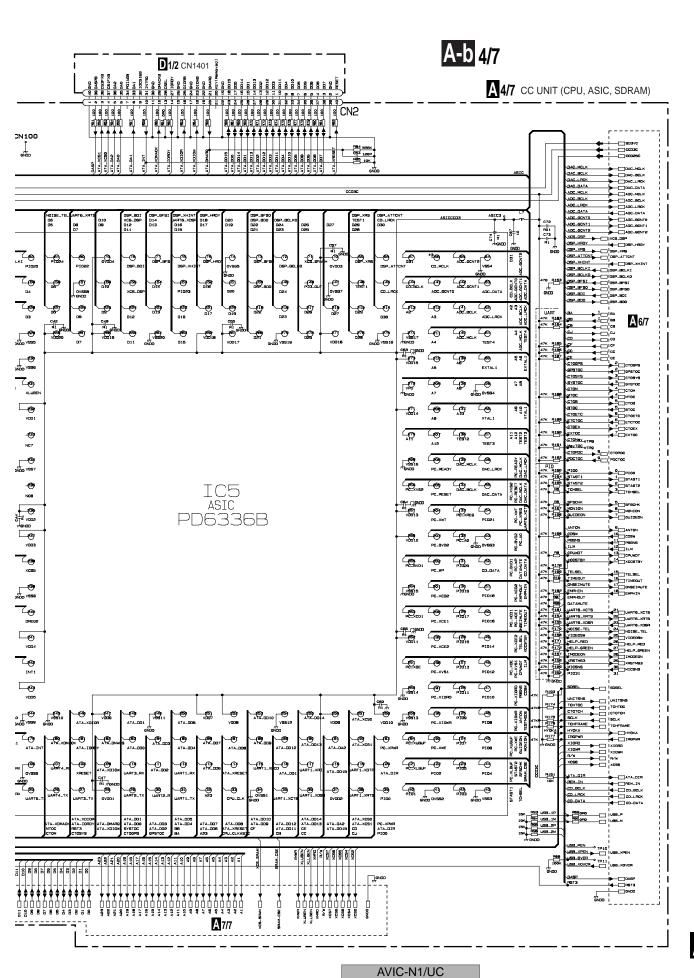
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### 3.6 CC UNIT (CPU, ASIC, SDRAM)(GUIDE PAGE)





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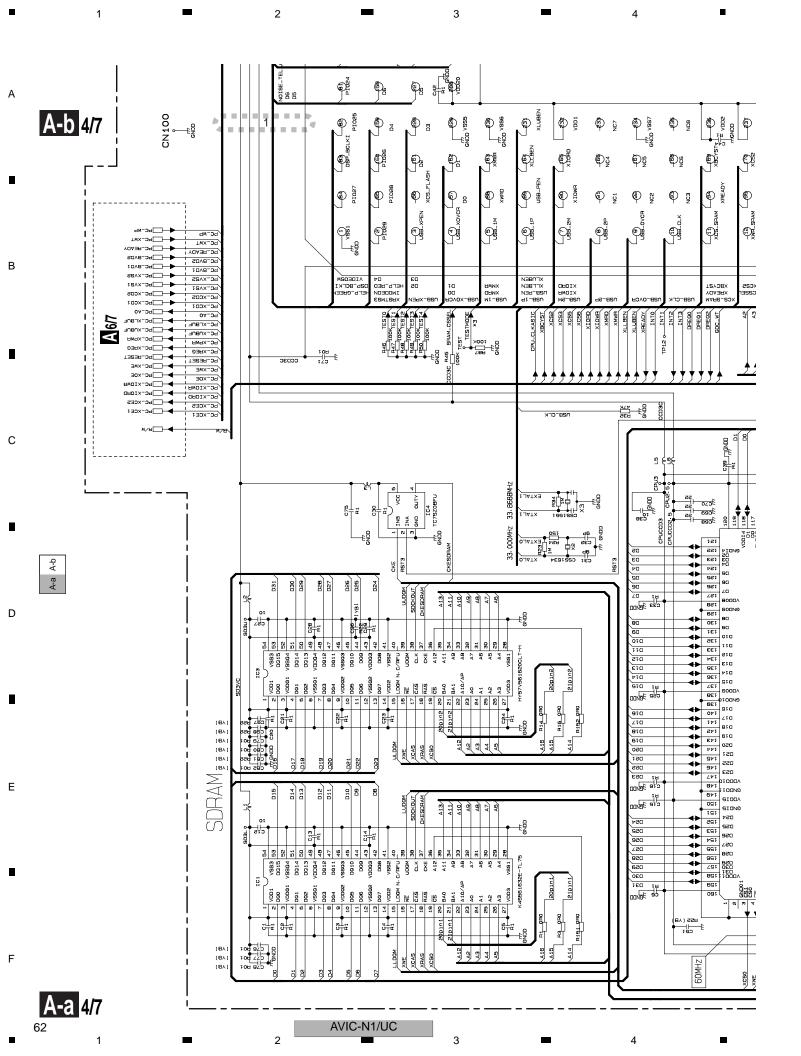
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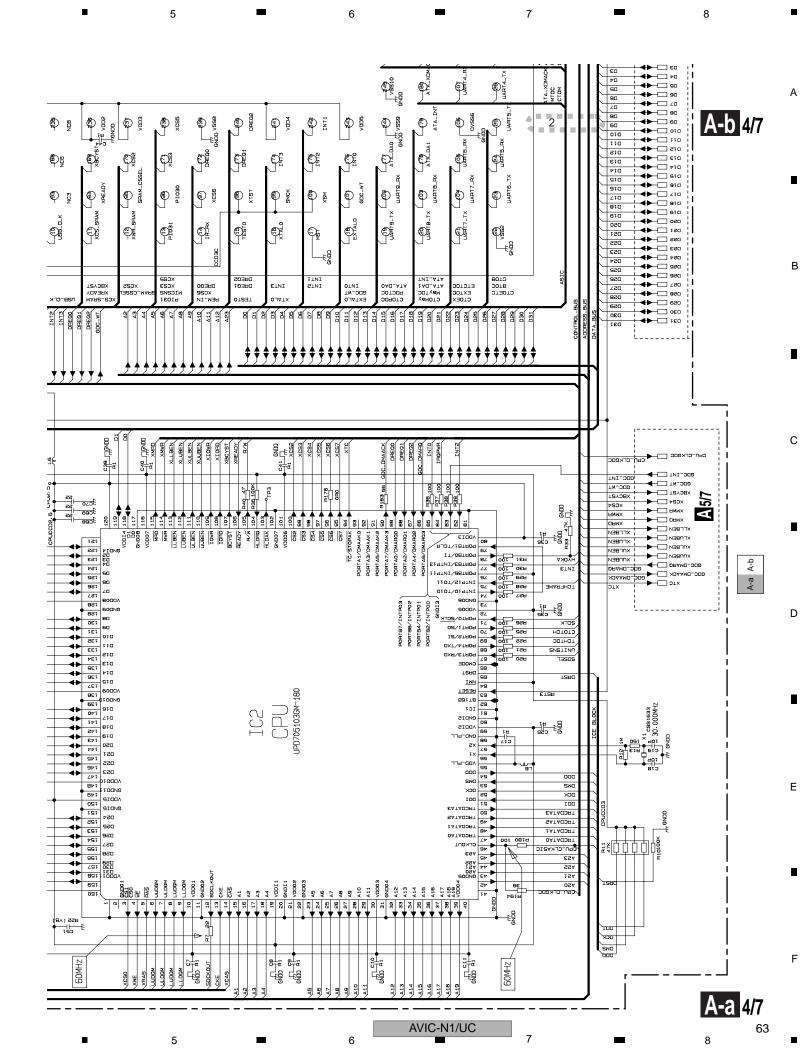
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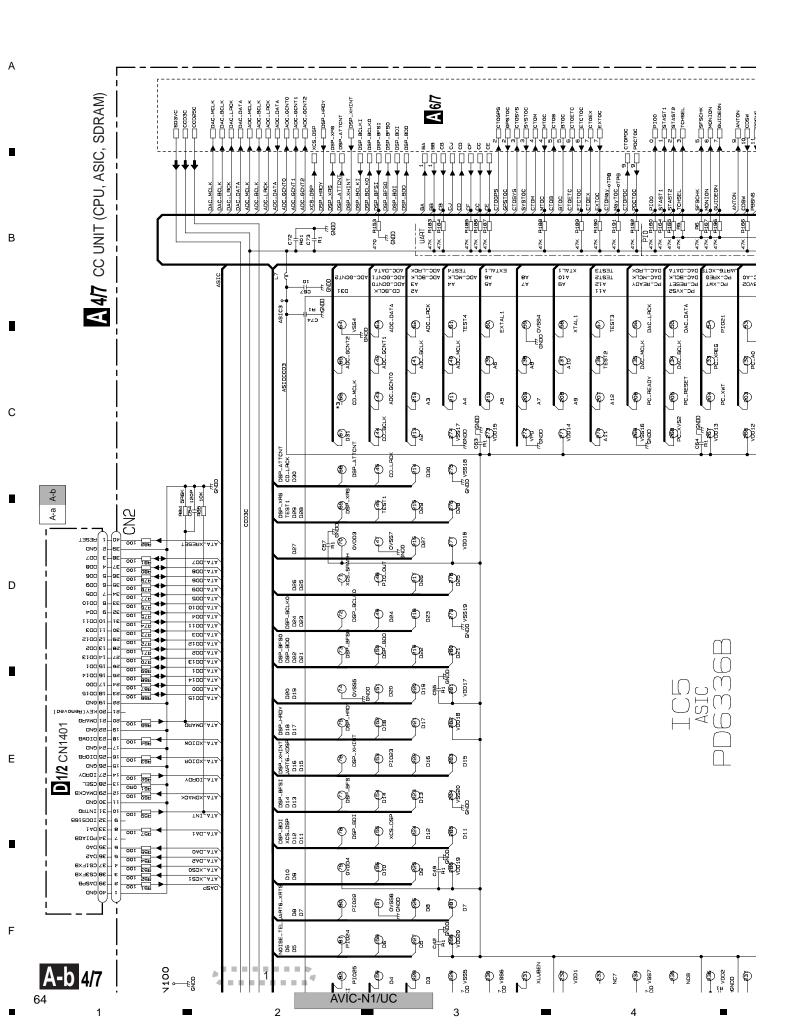
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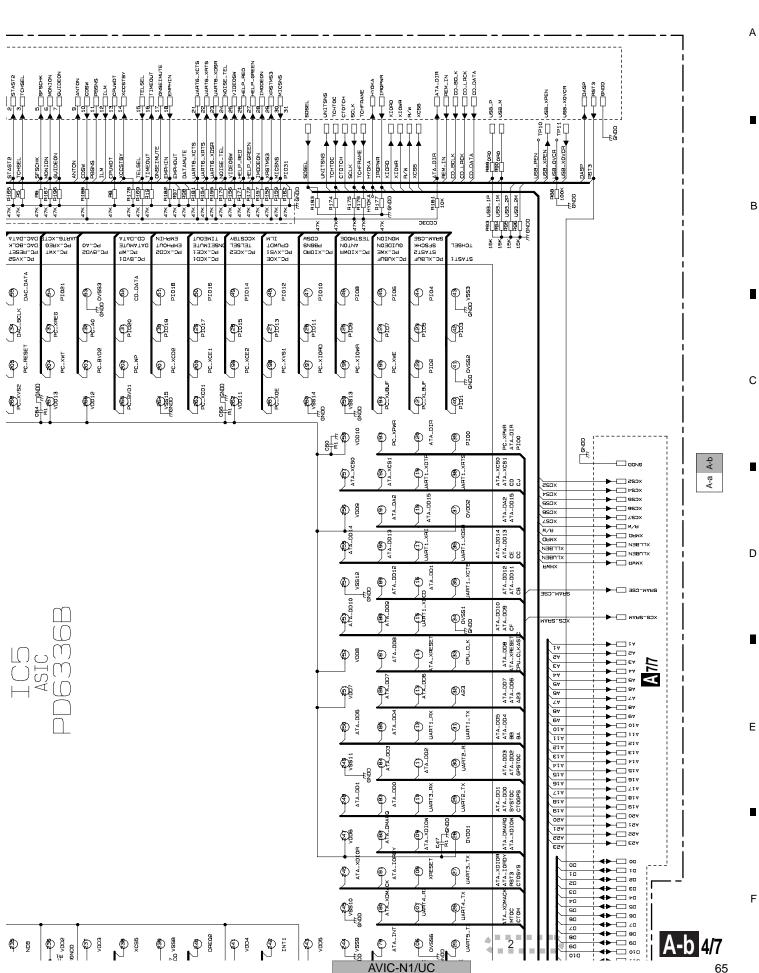
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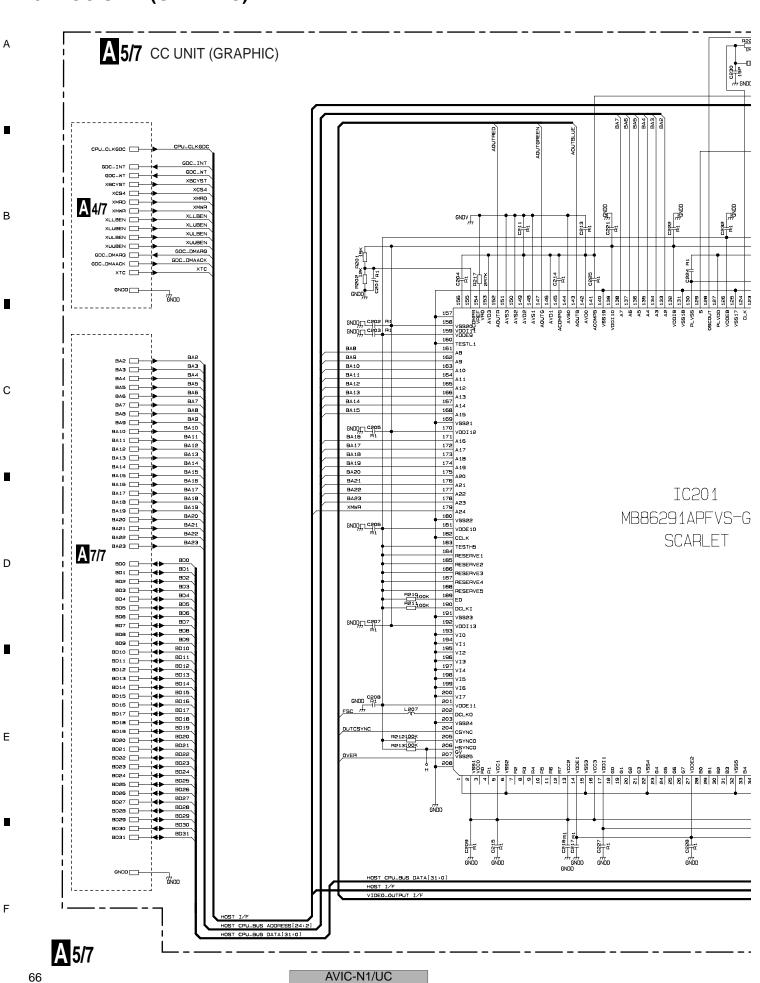
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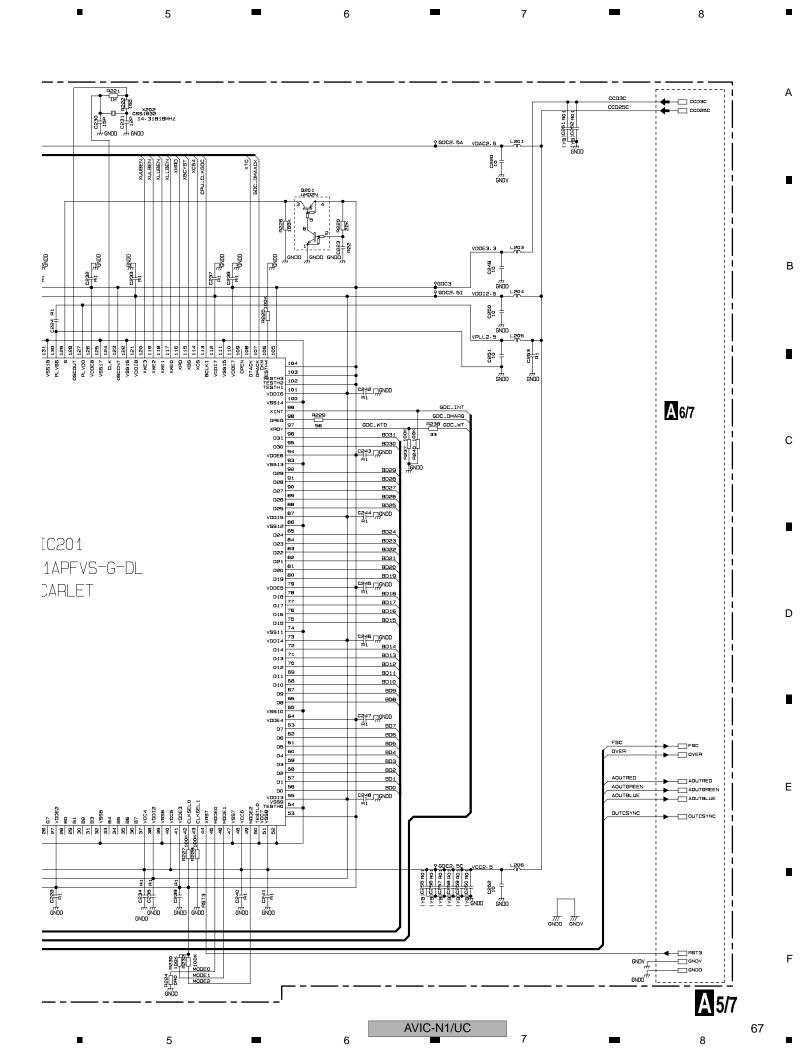


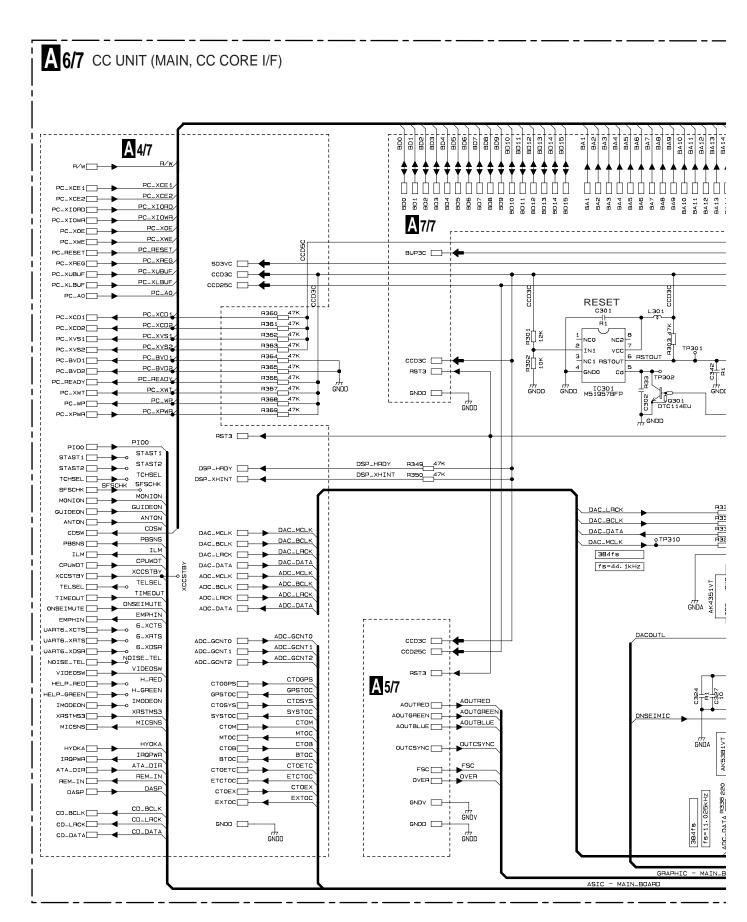












A 6/7

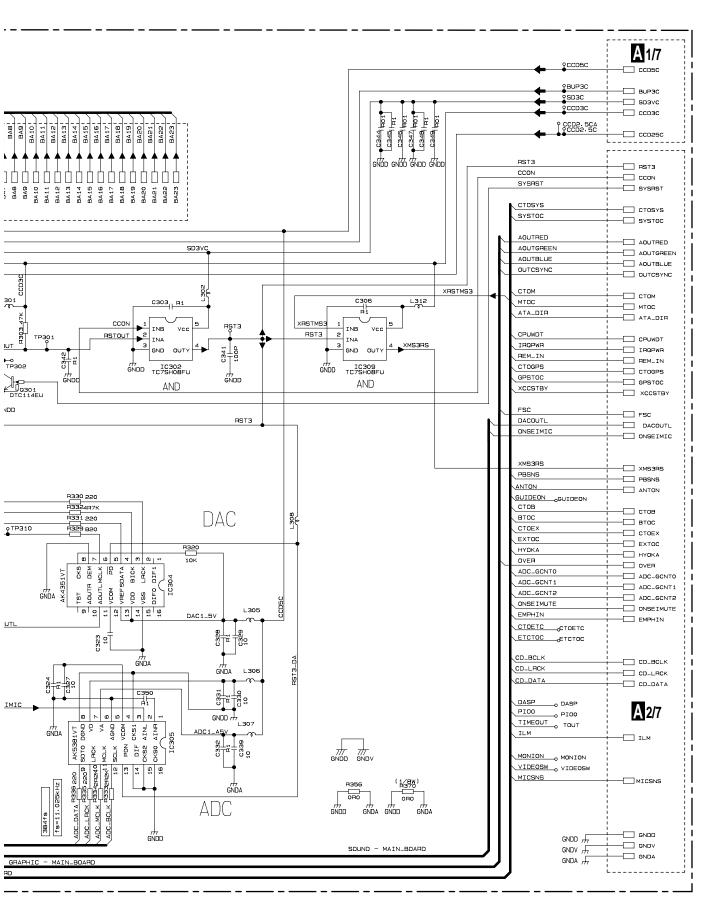
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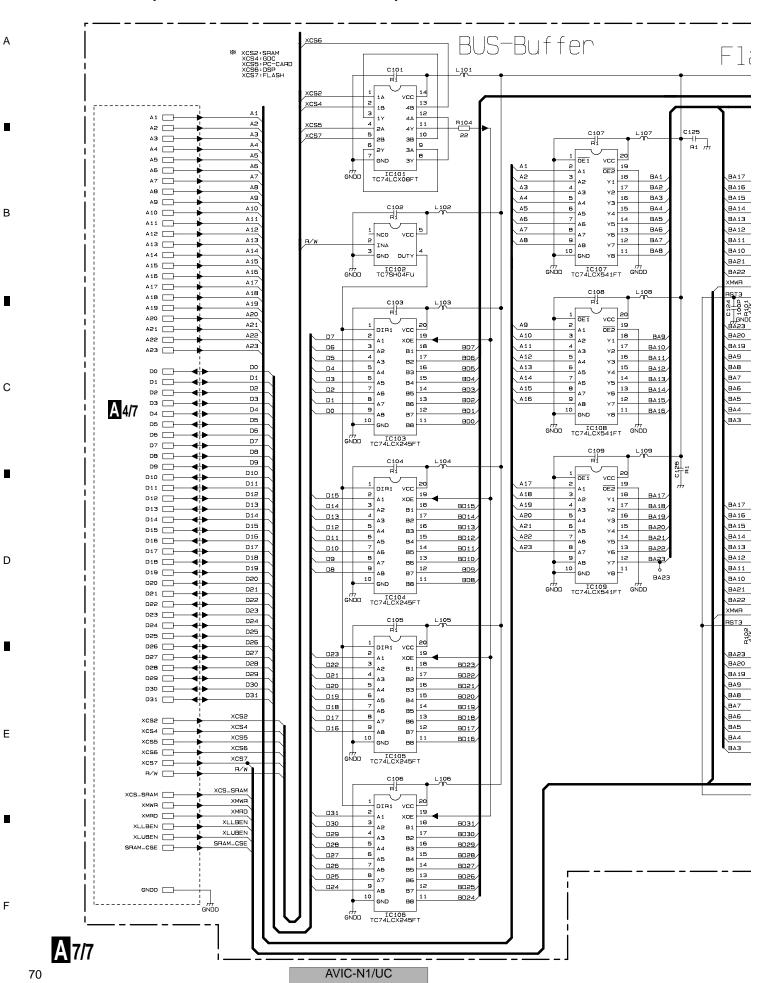
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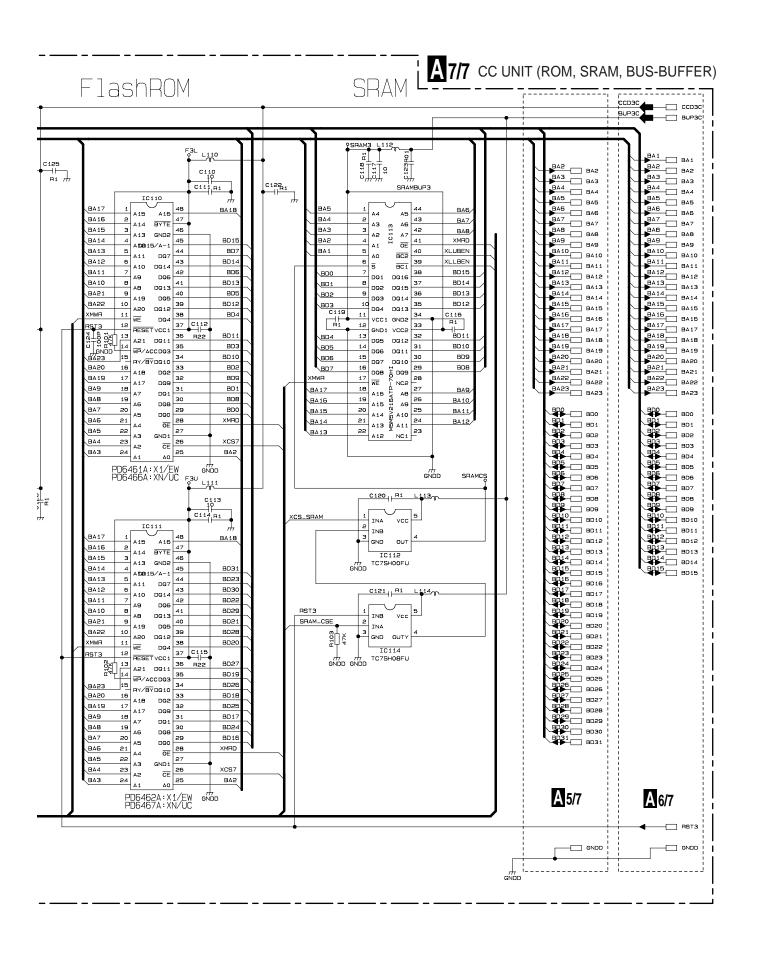
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AVIC-N1/UC

### 3.9 CC UNIT (ROM, SRAM, BUS-BUFFER)





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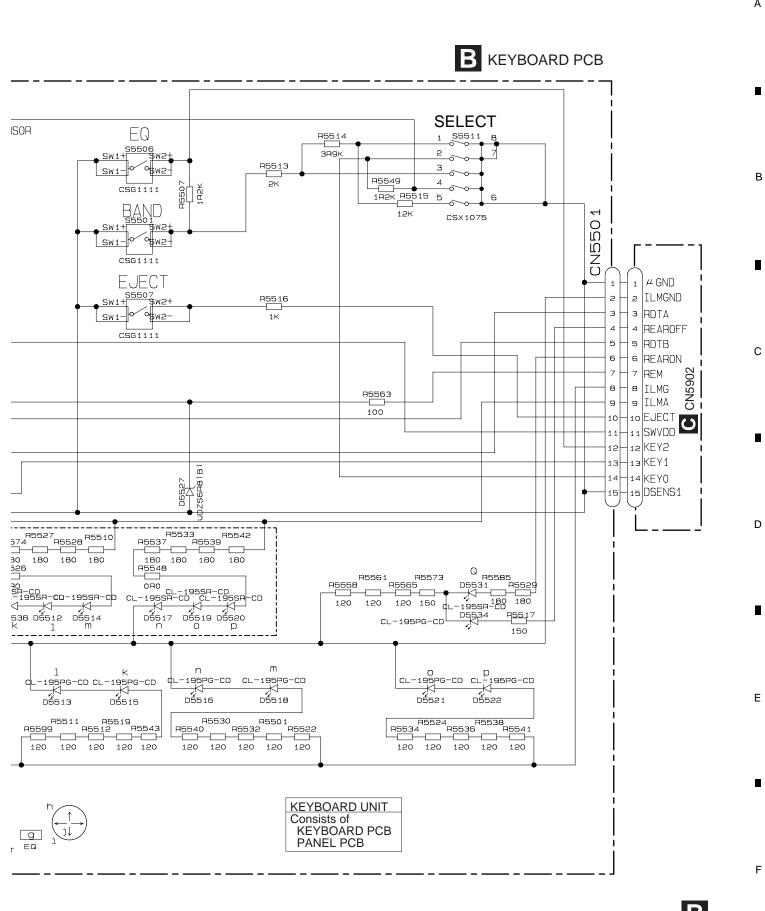
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AVIC-N1/UC



AVIC-N1/UC

**A2/7** CN2701 EJECT ILMGND ILMA ILMG REARON  $\mu$  GND C PANEL PCB 12 10 o  $\omega$ CN5901 RDTB REAROFF REM REARON RDTA KEY1 KEY2 SWVDD EJECT  $I \sqcup MA$ ILMG ILMGND RESET ILMGND DFLED  $\mu$  GND CSG1111 RESET CN5902 0 0 ∞ ト ω REARON 10 RDTB 11 REAROFF 12 RDTA ILMGND KEY0 KEY1 SWVDD μ GND EJECT KEYBOARD UNIT Consists of KEYBOARD PCB PANEL PCB **B** CN5501

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AVIC-N1/UC

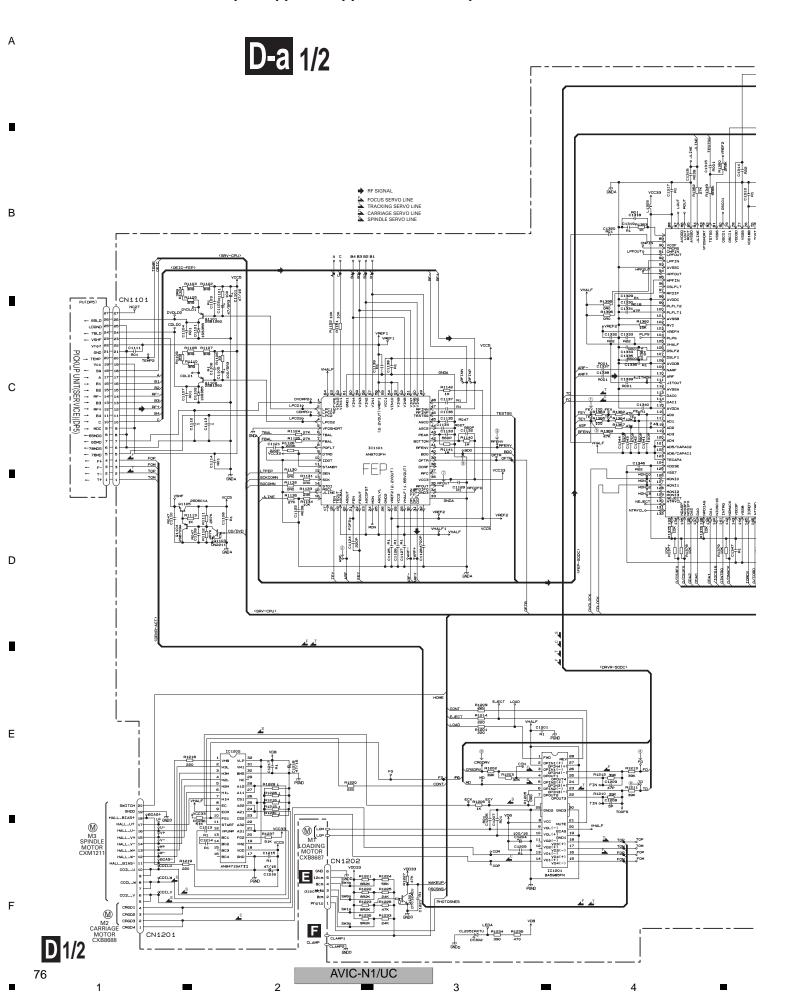
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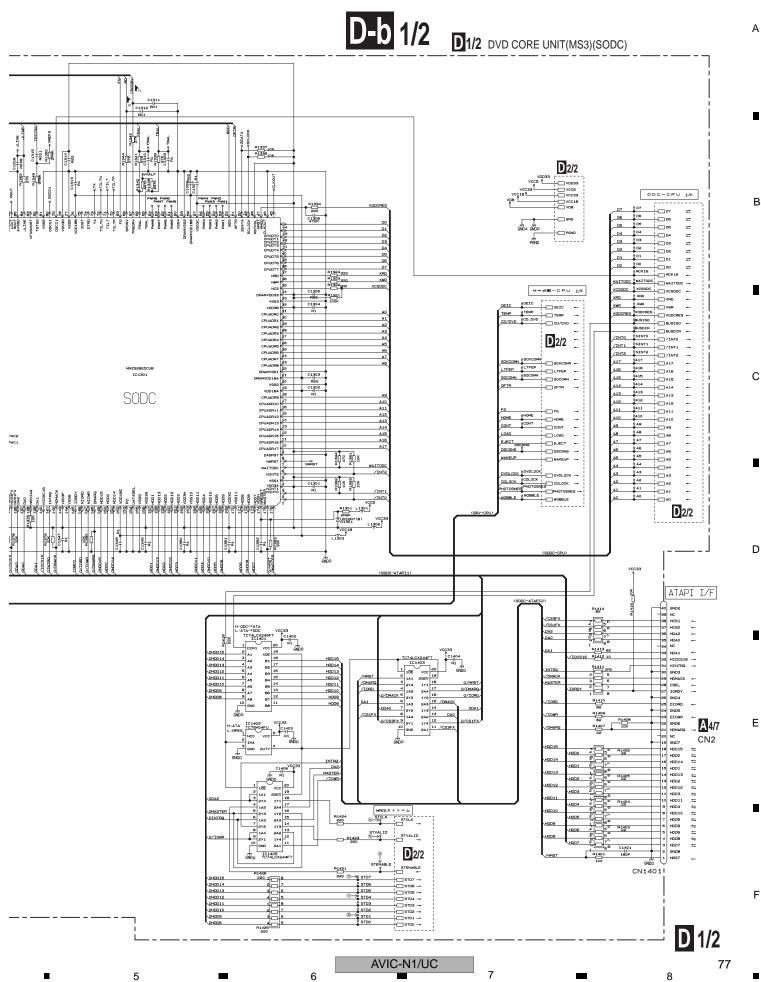
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# 3.12 DVD CORE UNIT(MS3)(SODC)(GUIDE PAGE)





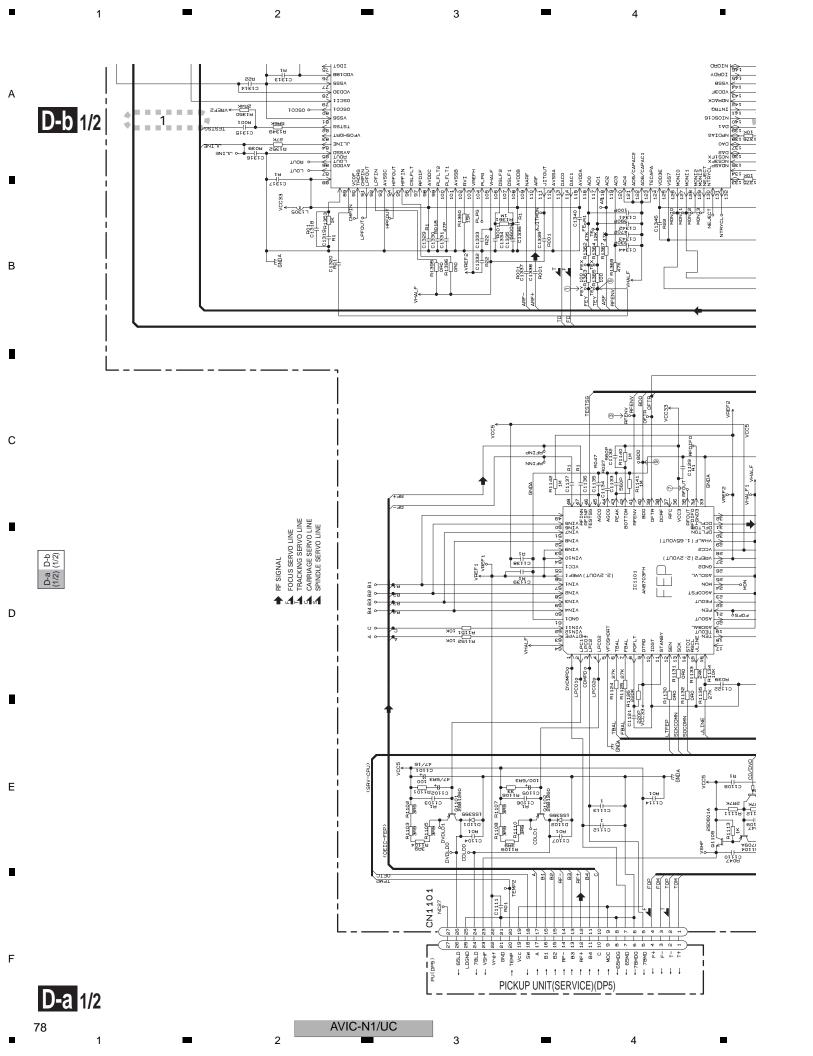
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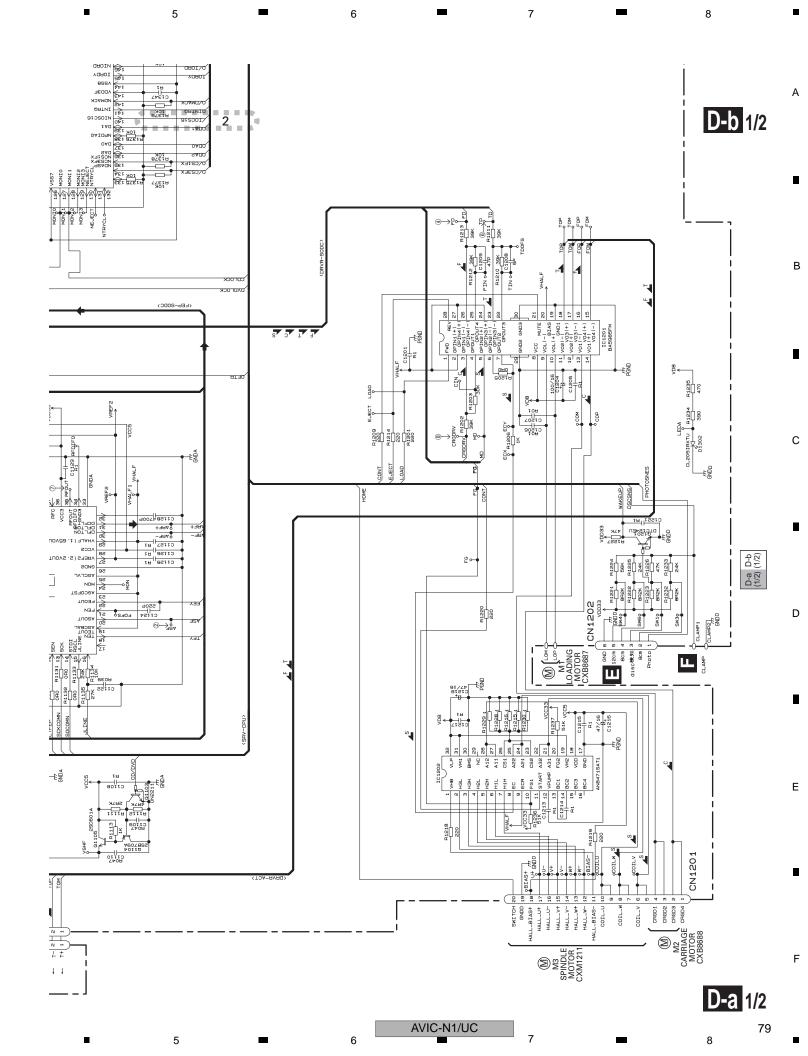
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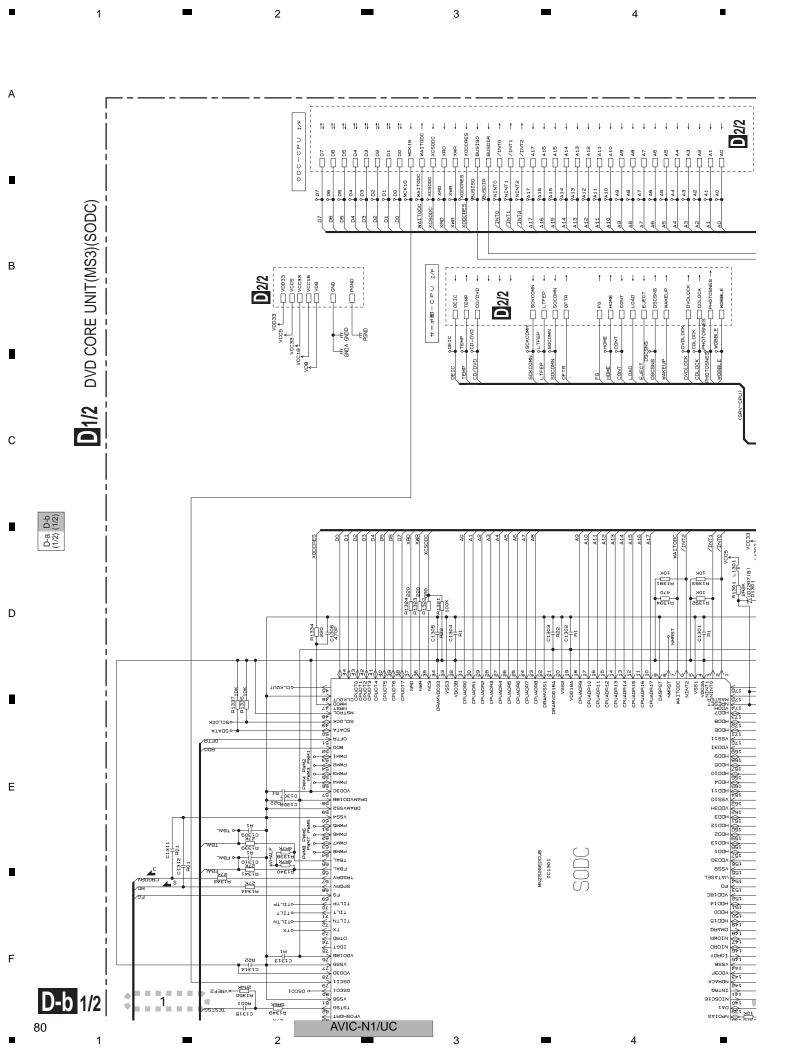
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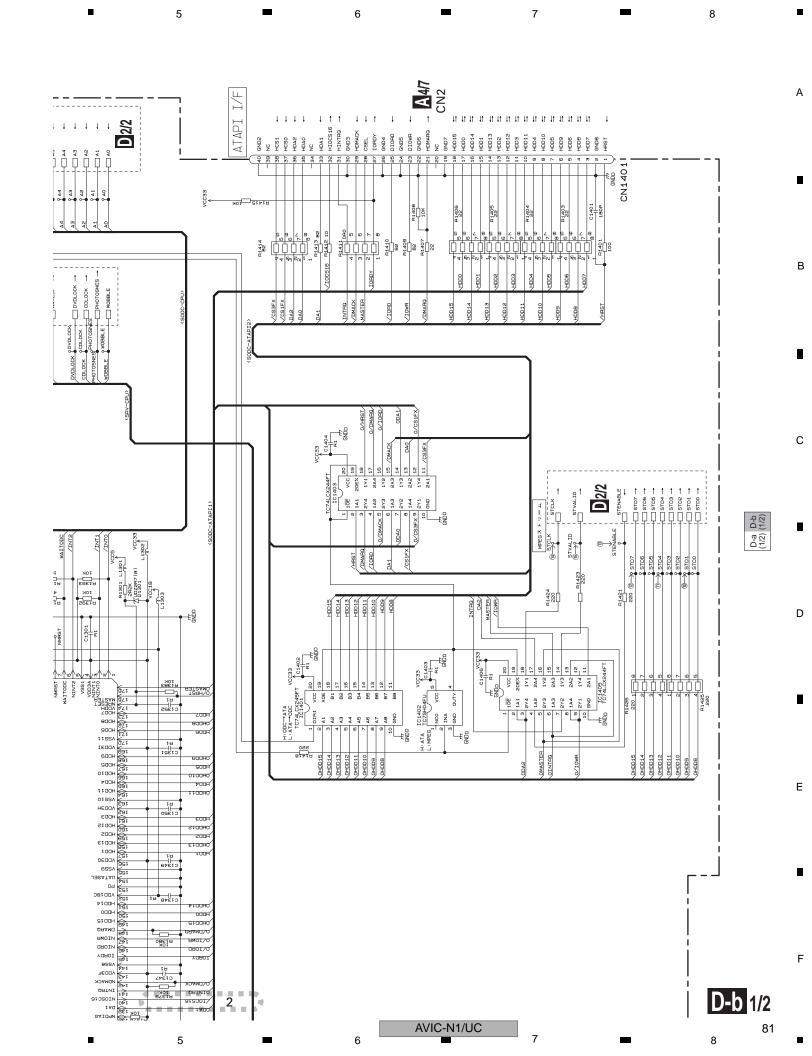
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### 3.13 DVD CORE UNIT(MS3)(CPU)(GUIDE PAGE)

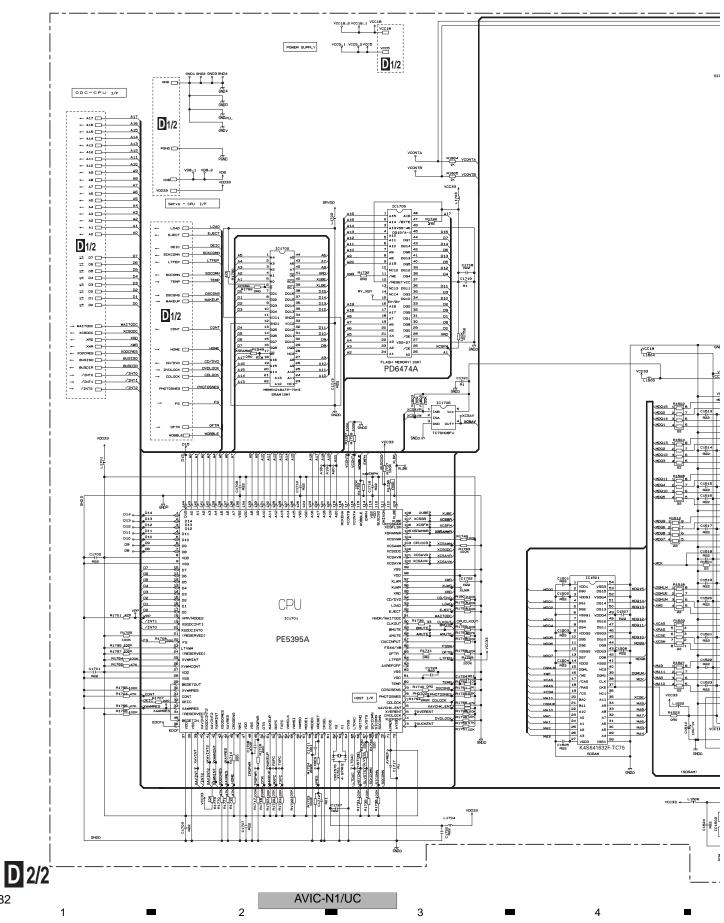
В

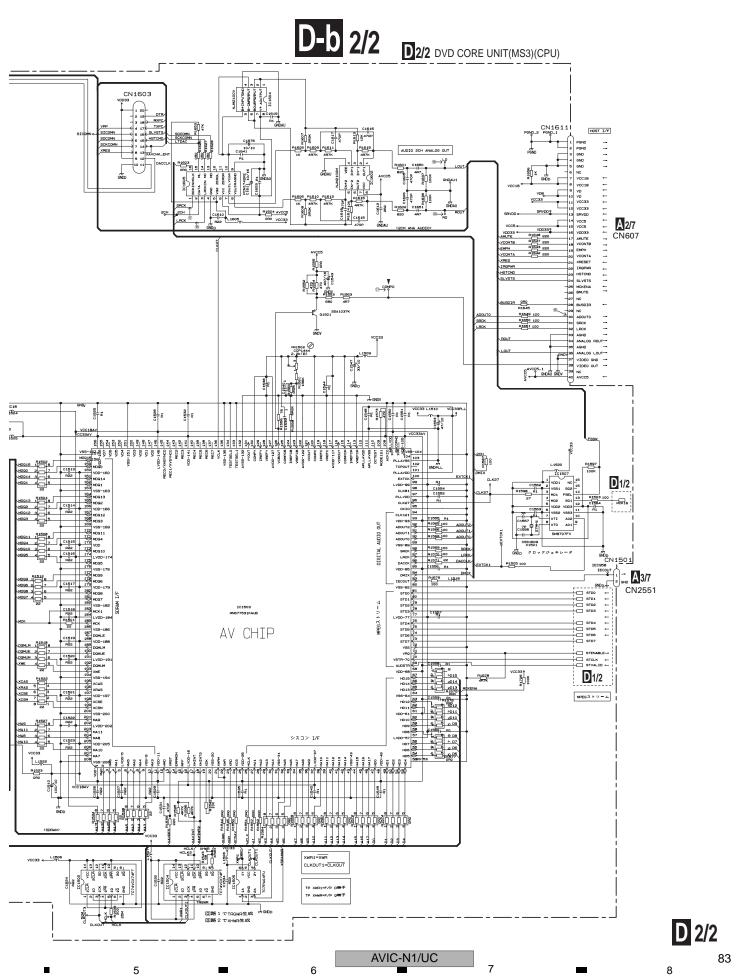
С

D

Ε

D-a 2/2



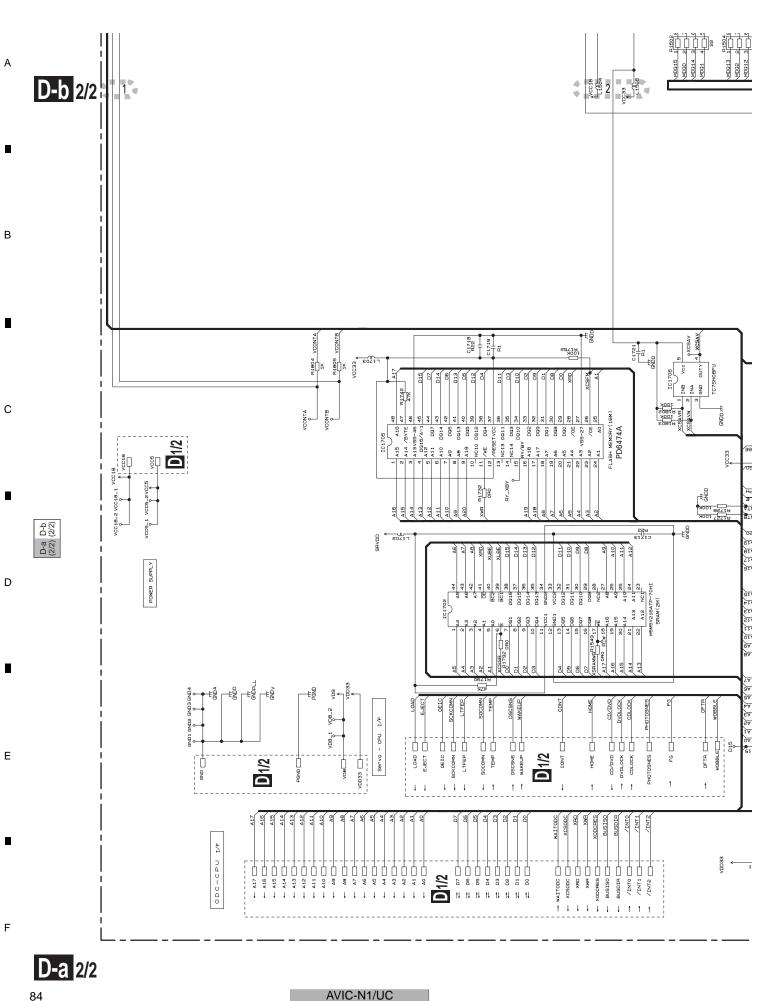


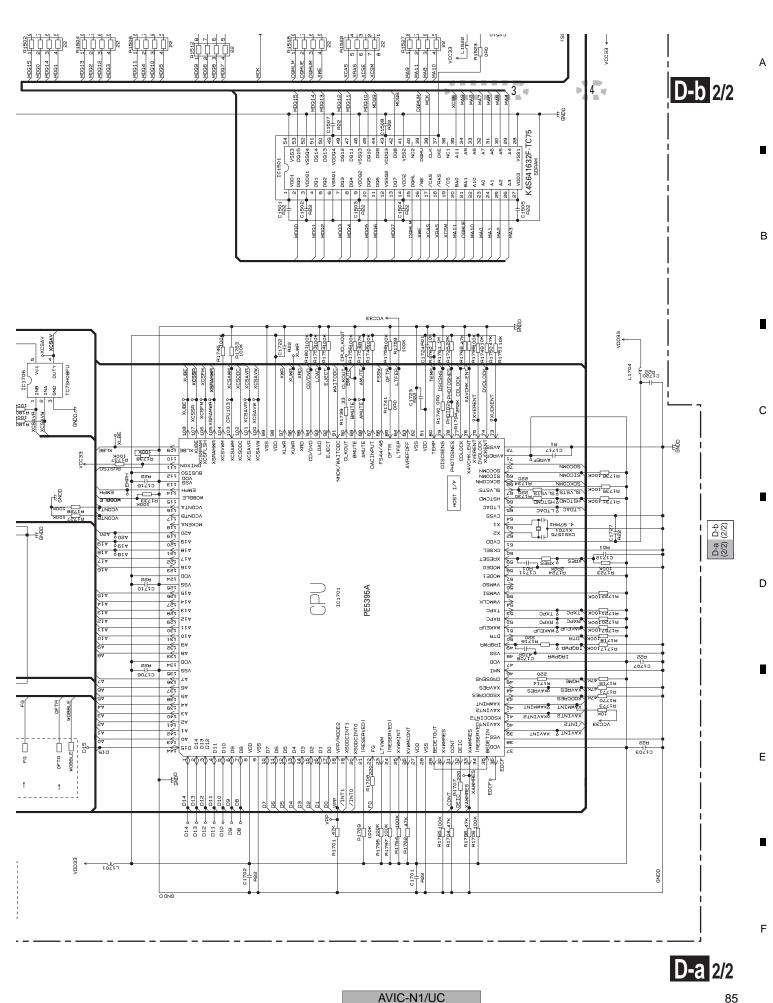
В

С

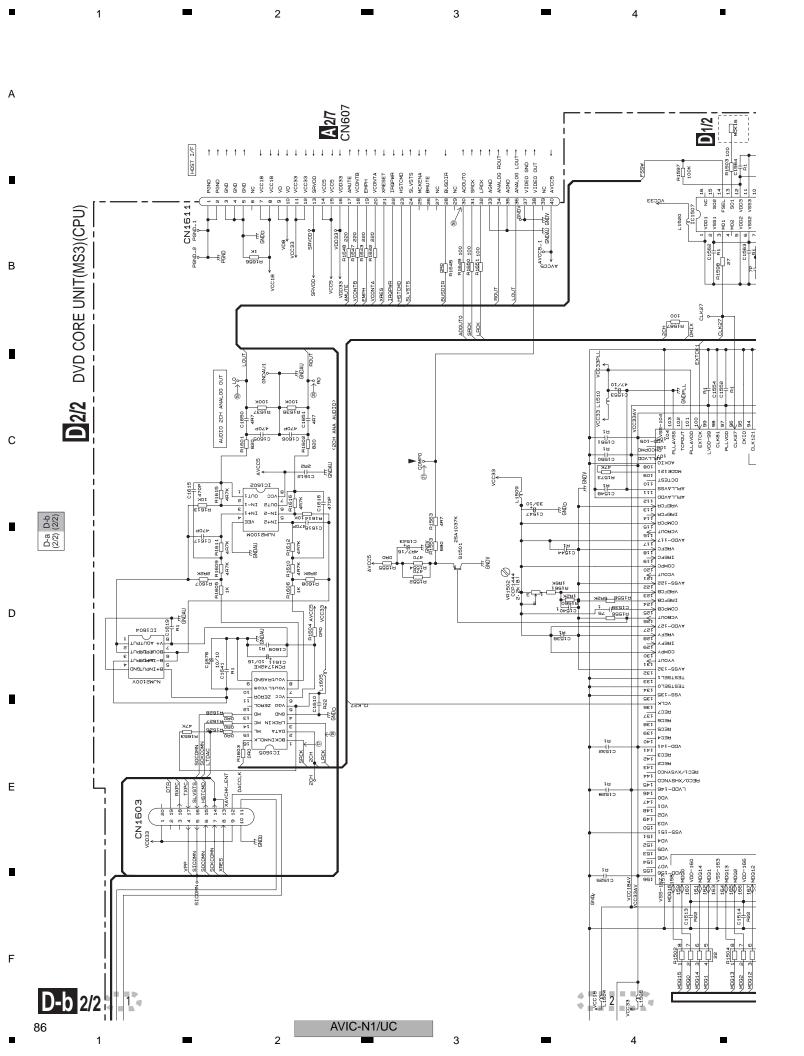
D

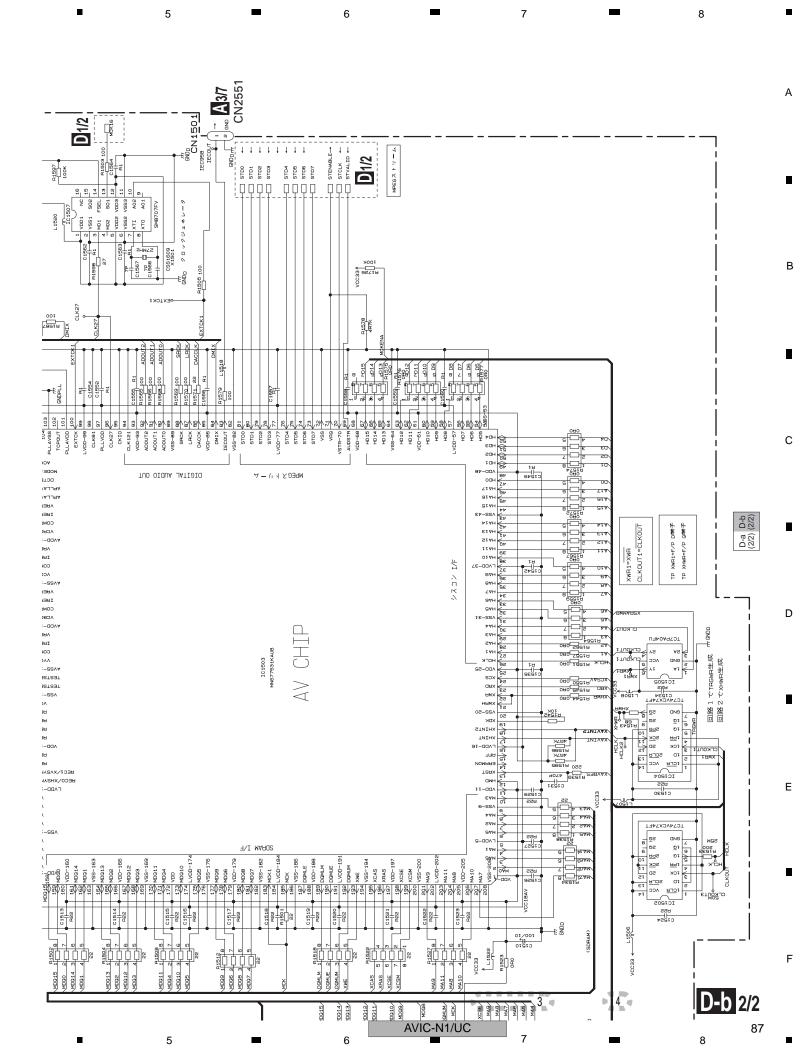
Е





AVIC-N1/UC





#### Waveforms

Α

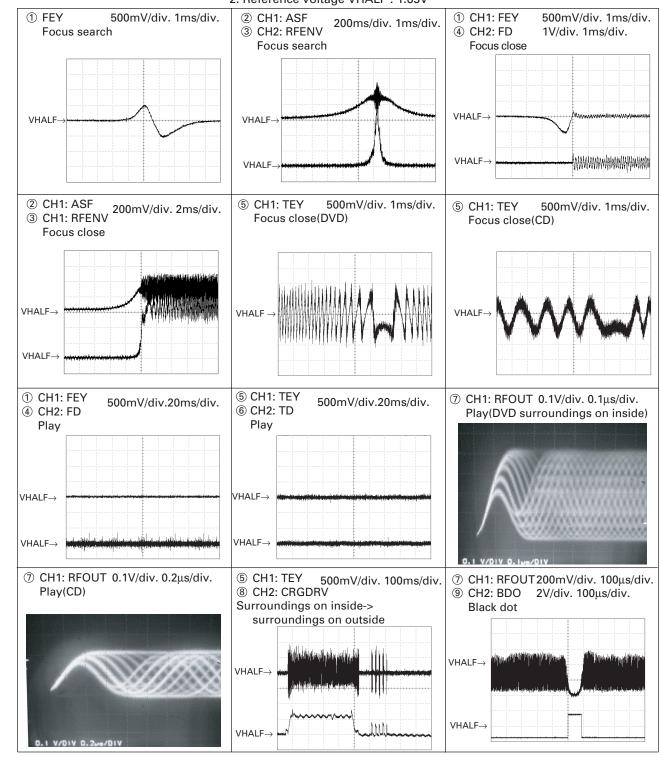
В

С

D

Ε

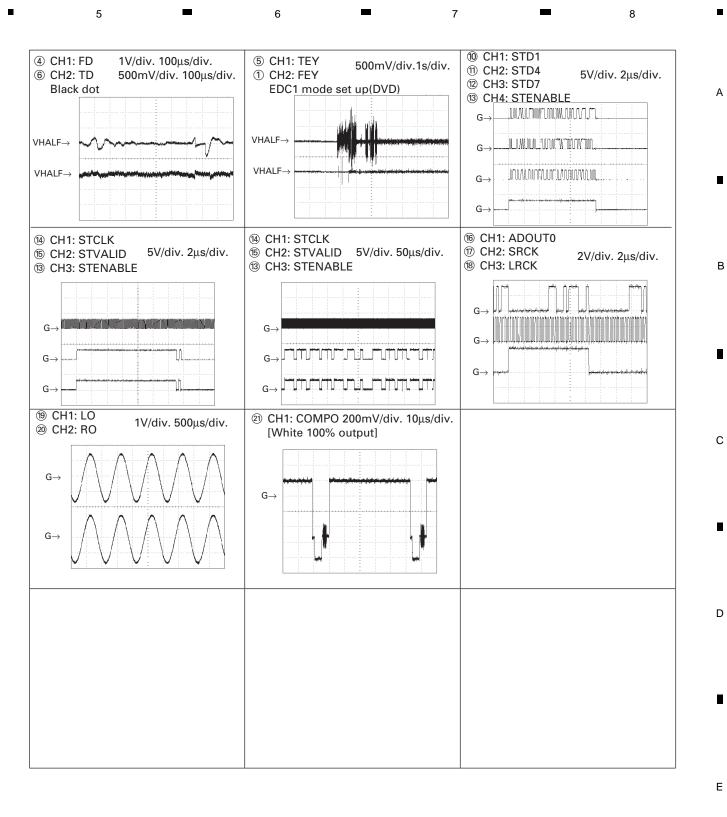
Note:1. The encircled number denote measuring pointes in the circuit diagram. 2. Reference voltage VHALF: 1.65V



F

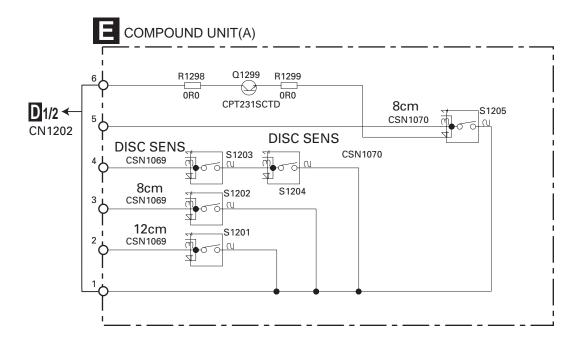
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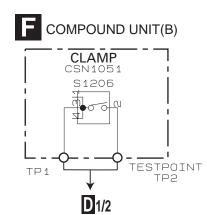
AVIC-N1/UC



AVIC-N1/UC

## 3.14 COMPOUND UNIT(A) AND COMPOUND UNIT(B)







В

С

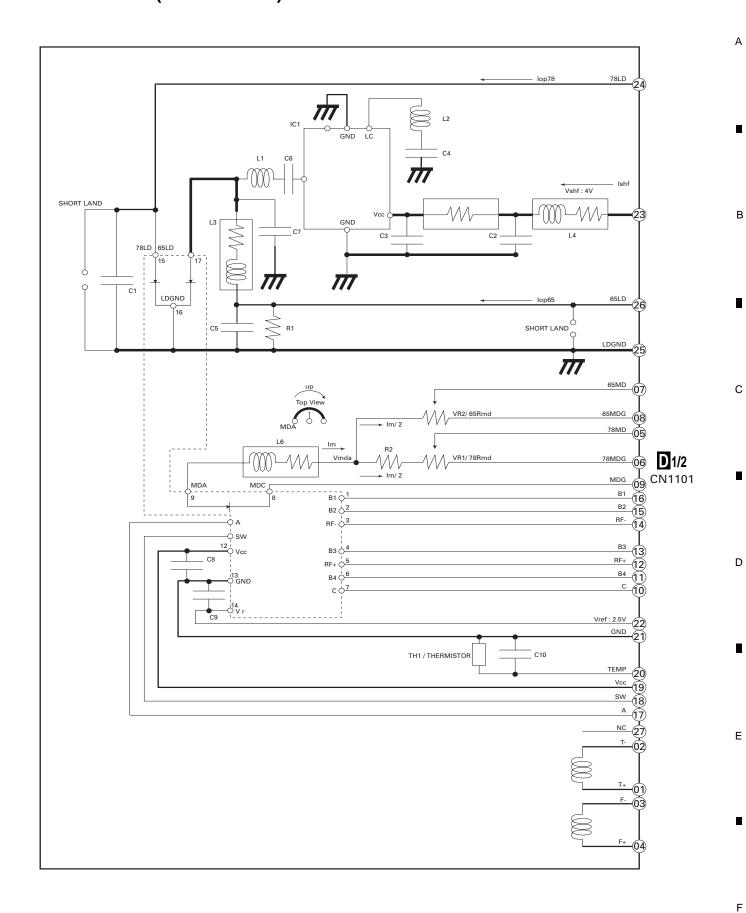
D

Е

F

# 3.15 PU UNIT(REFERENCE)

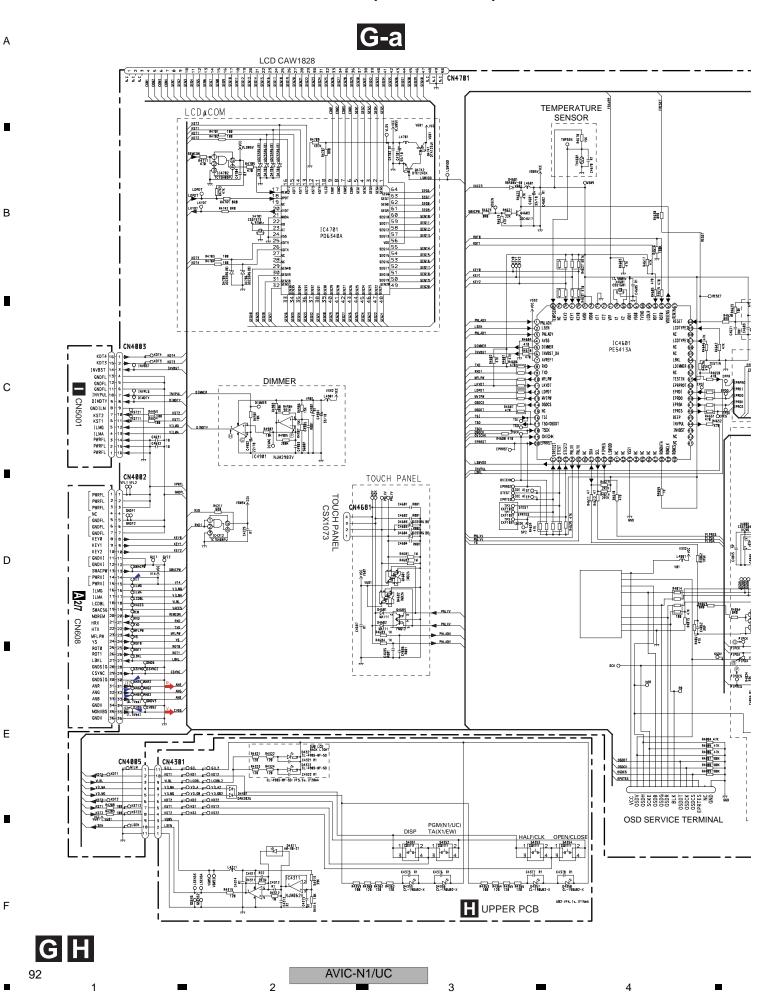
5



AVIC-N1/UC

91

#### 3.16 MONITOR PCB AND UPPER PCB(GUIDE PAGE)



G-b

**G** MONITOR PCB **B** FILTER POWER SUPPLY RGB AMP P in P IC 2.5V → V25 3.3V → V33 5.8V → V5 8.8V → V8 18 V → V18 -12V → VM12 BIAS2

REPTO
AVISS
BIAS2
BIAS2
REPTO
REPTO A∕D8bit A∕D8bit 2M DRAM V332 ½ .4881 ↑  $\uparrow \downarrow$ TFT Controller IC4001 TC90A64AF-P VCOM\_AMP 8 : TERMINAL Composite Video Signal MONITOR UNIT Consists of MONITOR PCB UPPER PCB INVERTER PCB RGB Signal

.

В

С

D

E

F

G

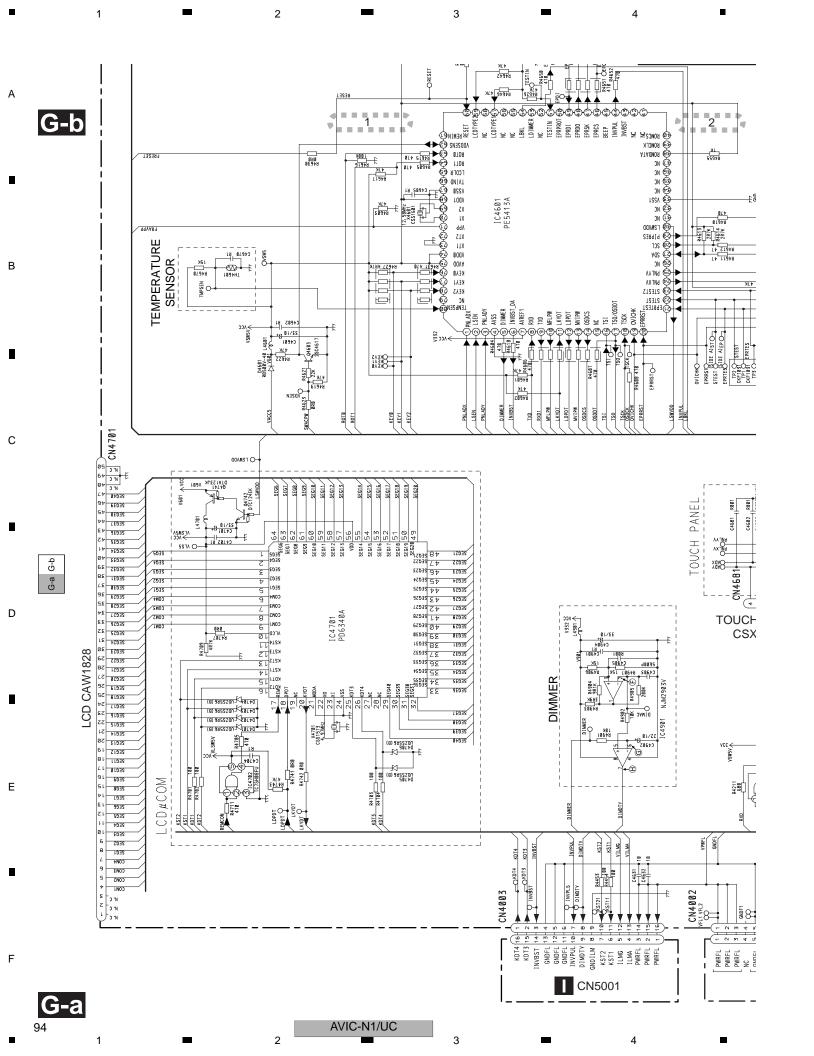
AVIC-N1/UC

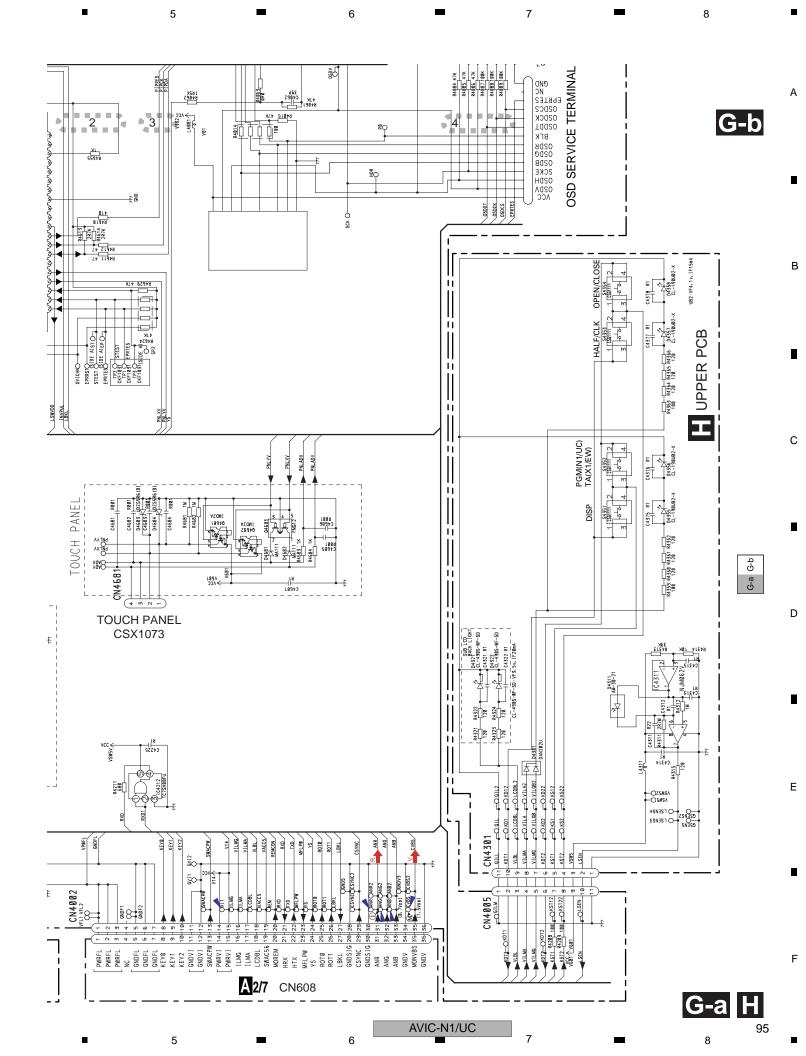
7

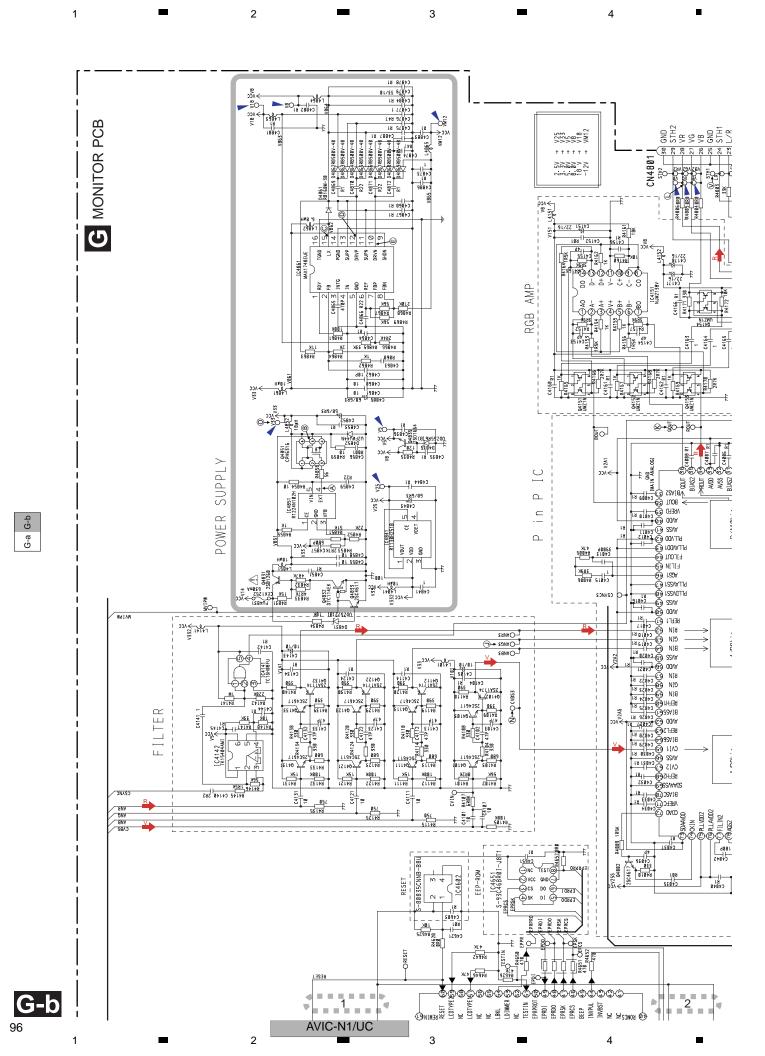
93

8

5







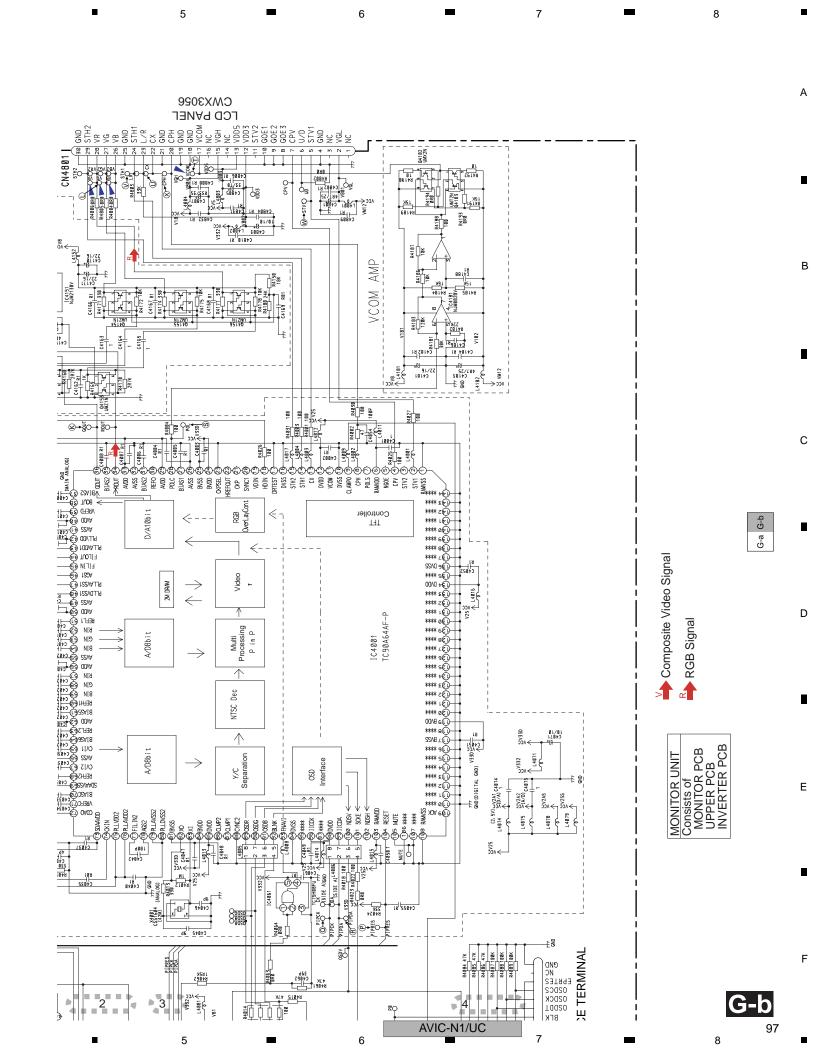
В

С

D

Е

F



Waveforms

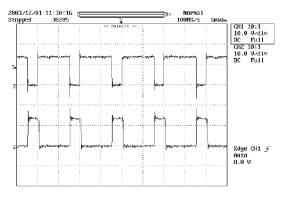
The encircled number denote measuring pointes in the circuit diagram.

3

Α

A CH1:IC4851 Pin 4

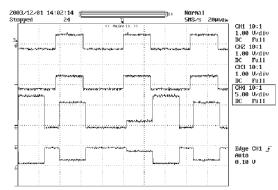
® CH2:Q4851 Pin 5



• INPUT : Color bar signal

① CH1:ANG ① CH2:ANG3 **® CH3:GOUT** 

© CH4:VG



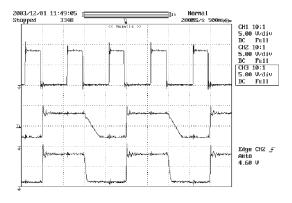
С

В

© CH1:IC4861 Pin 15

© CH3:IC4861 Pin 10

© CH2:IC4861 Pin 12

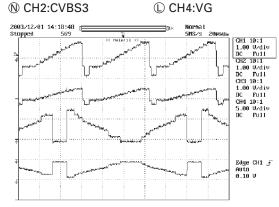


• INPUT: 10STEP VTR IN

M CH1:CVBS

® CH3:GOUT

N CH2:CVBS3



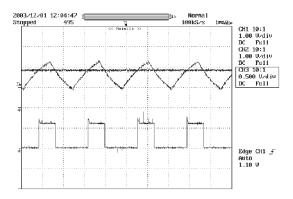
Ε

D

® CH1:IC4901 Pin 2

⊕ CH3:IC4901 Pin 7

@ CH2:IC4901 Pin 6

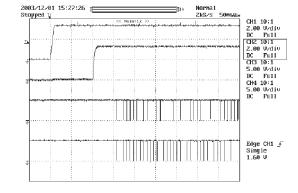


@ CH1:V33

@ CH3:PIPCK

P CH2:PIPRES

® CH4:PIPDA



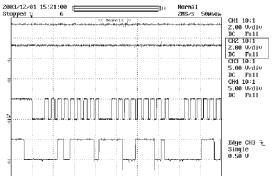
F

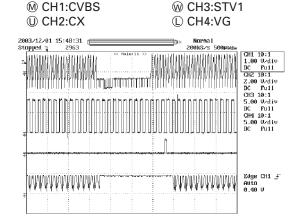
98

AVIC-N1/UC

**■** 6 **■** 7 **■** 8

5





Α

В

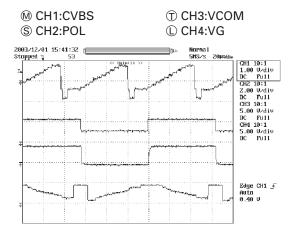
С

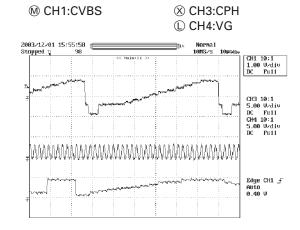
D

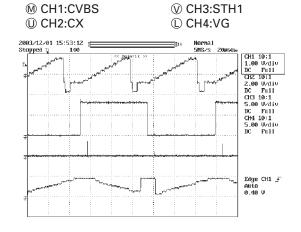
Ε

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99







AVIC-N1/UC 7 8

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6

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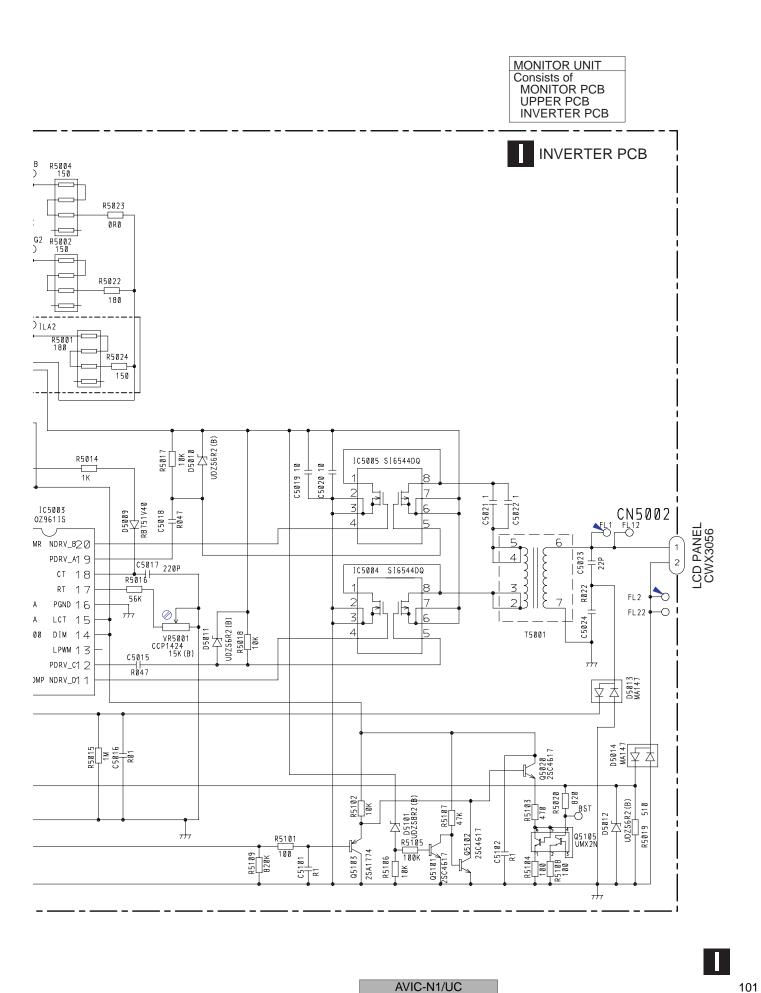
100

F

AVIC-N1/UC

2

3



7

8

Α

В

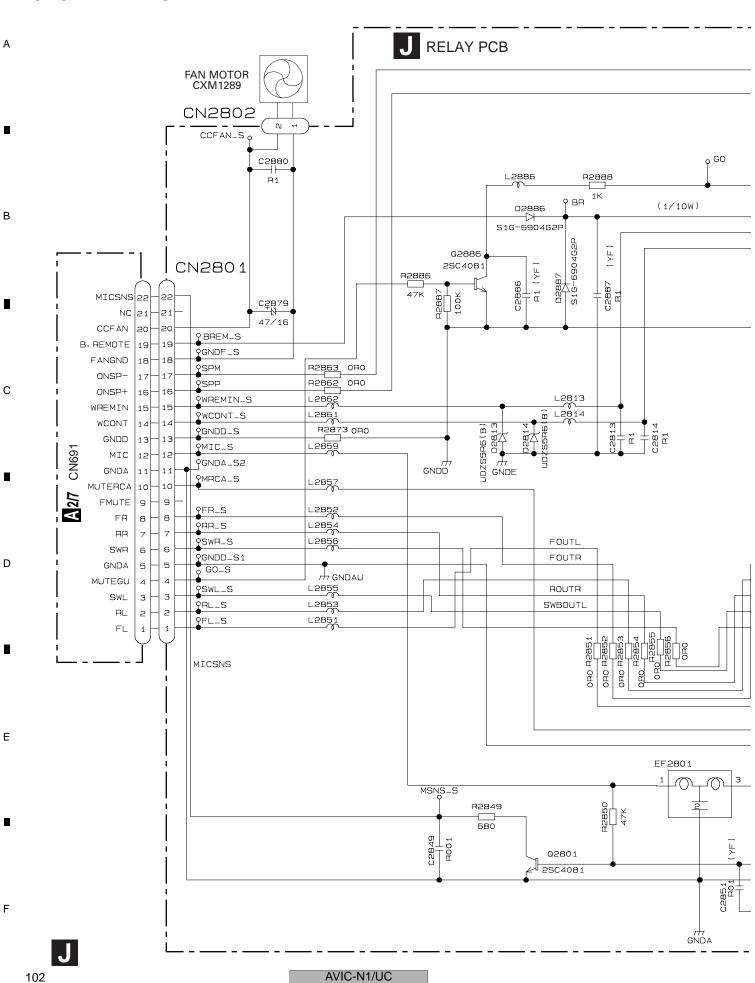
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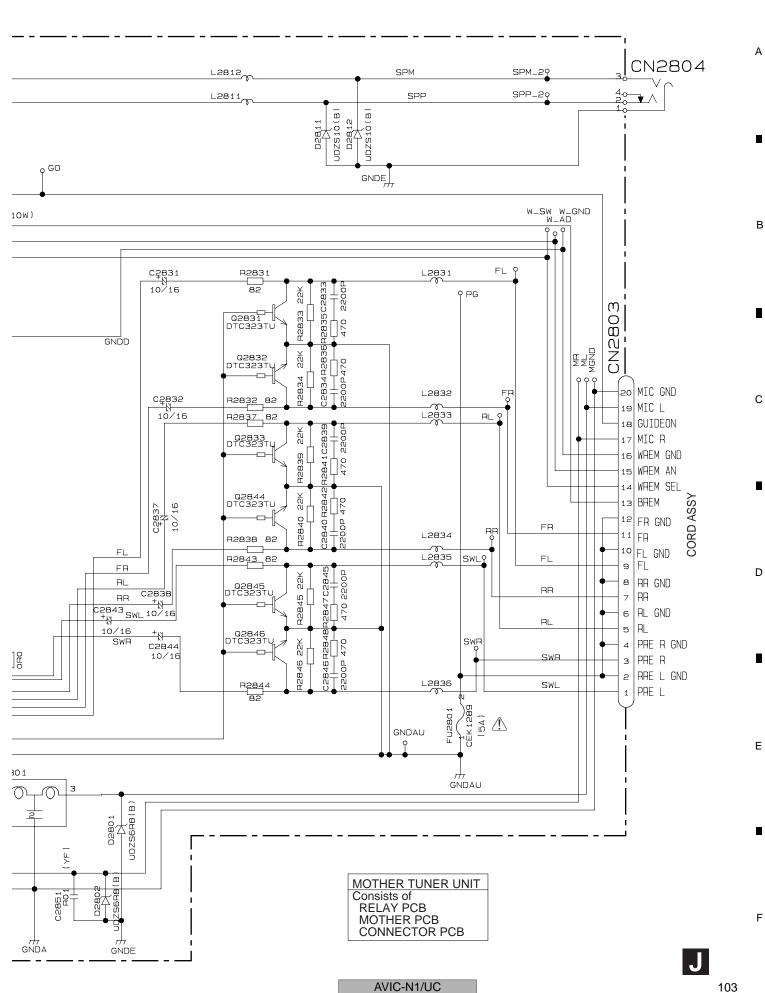
D

Ε

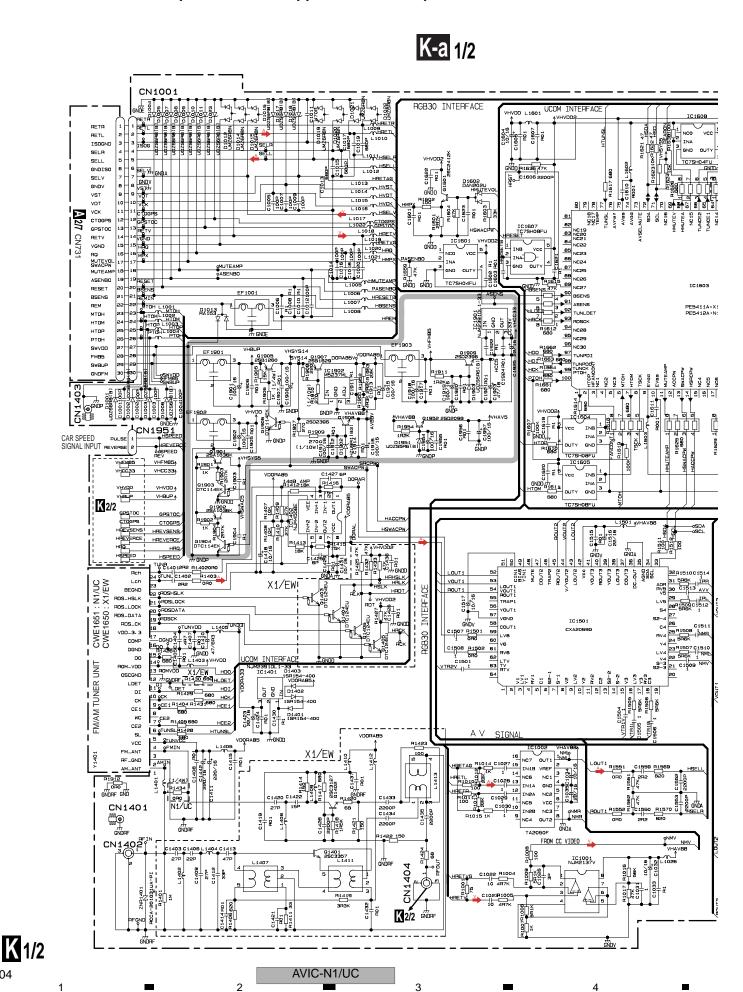
5

5





#### 3.19 MOTHER PCB (H/A SYSTEM)(GUIDE PAGE)



K-b 1/2

K 1/2 MOTHER PCB (H/A SYSTEM) CN1950 FAN MOTOR 01102 25A1576R1115 CN1101 R1113 2R2K R1114 3R3K (1/10w) BUST IP-BUS 5 BUS-BUSL VREF IN18 NC6 IN1A YD1101000 5 NC2 VCC 1451 4 121 4 VCC NC3 OUT2 L1201 CN1201 VIDEO GND IP-SEL1 IP-SEL2 LED-V GND BEEP MUTE R1215 BEEP-REMOUT NEW AV SENS 01202 2502412K HVST HVST 40-04 C1571 33/10 C1572 R1575 100/4 75 REARON R1576 ID ANDIO E U1701 CEK1260 (4A) FU1702 T CEK1260 OREARAG CN1351 CAMERA 33/10 1570 R1573 V 1 5HBK 19 CN1301 INPUT ĭ video AUDIO VHAV88 V AUDIO VTRIR 8 OUT2 NC5 IN2B 5 5 D1553 4 4 4 3 3 3 4 3 MOTHER TUNER UNIT
Consists of
RELAY PCB
MOTHER PCB
CONNECTOR PCB Composite Video Signal Audio Signal

В

Ε

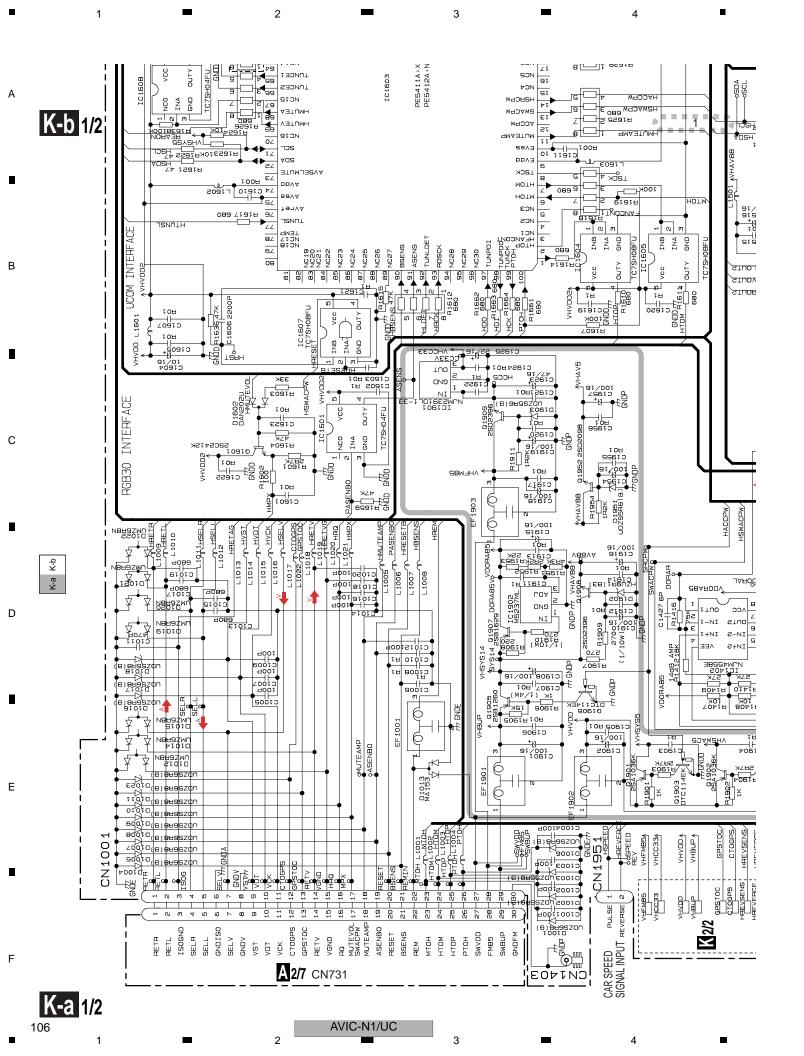
**K** 1/2

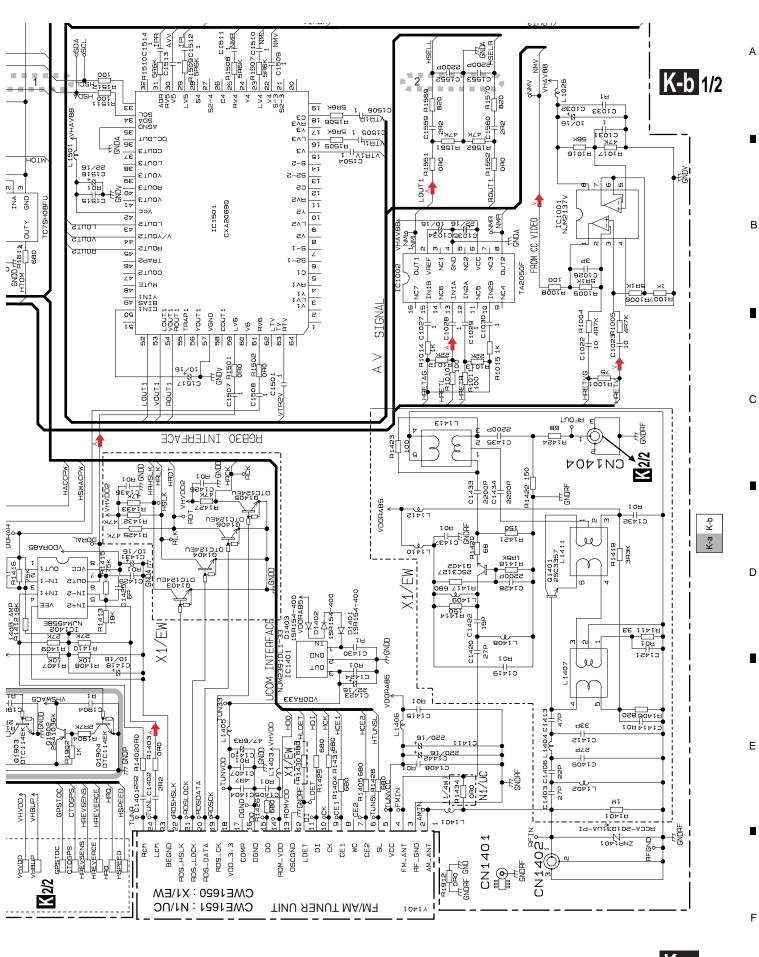
5

6

AVIC-N1/UC

8

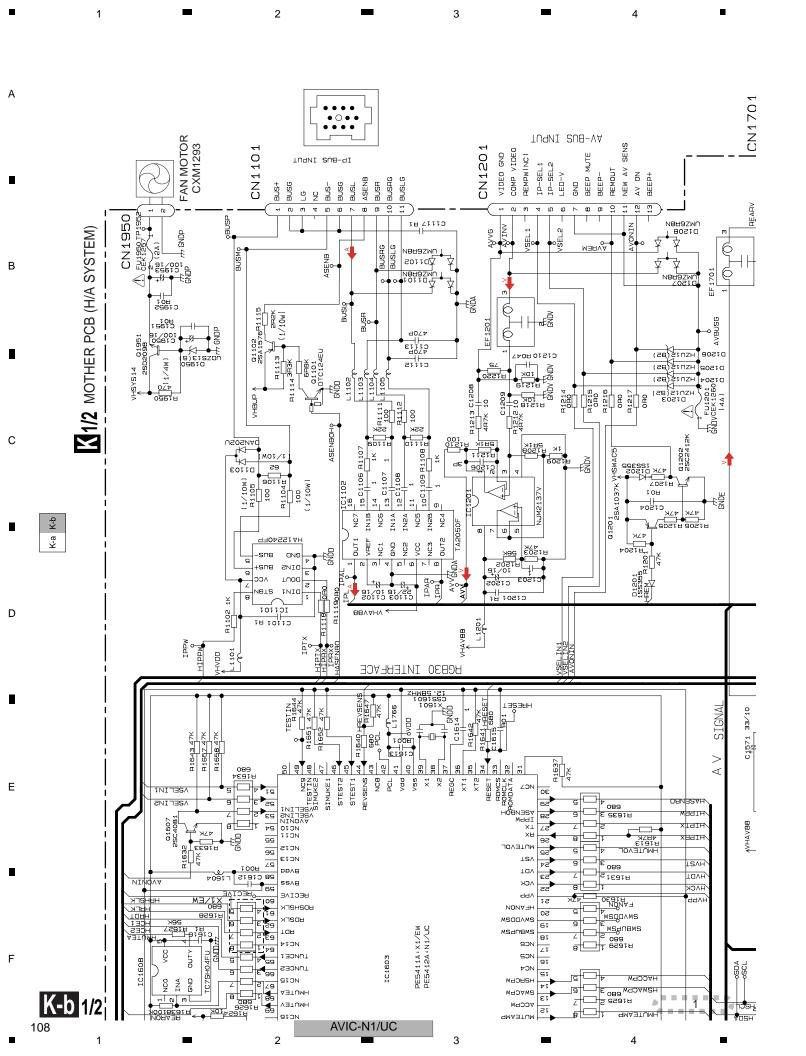


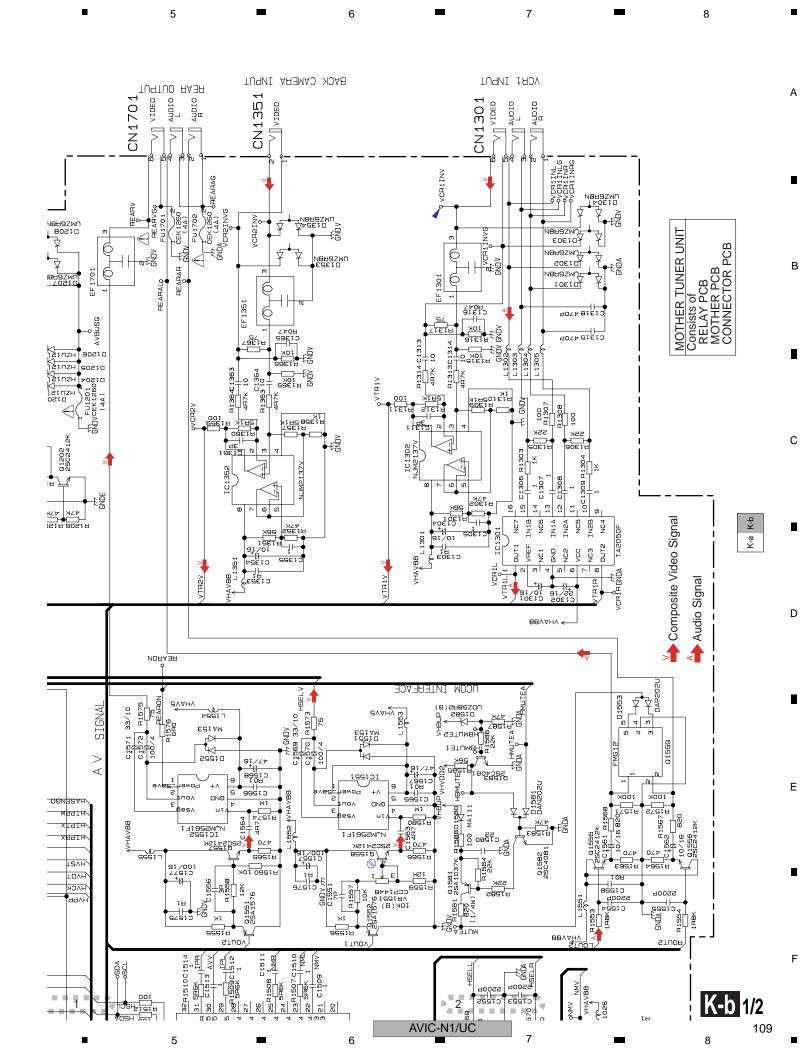


K-a 1/2

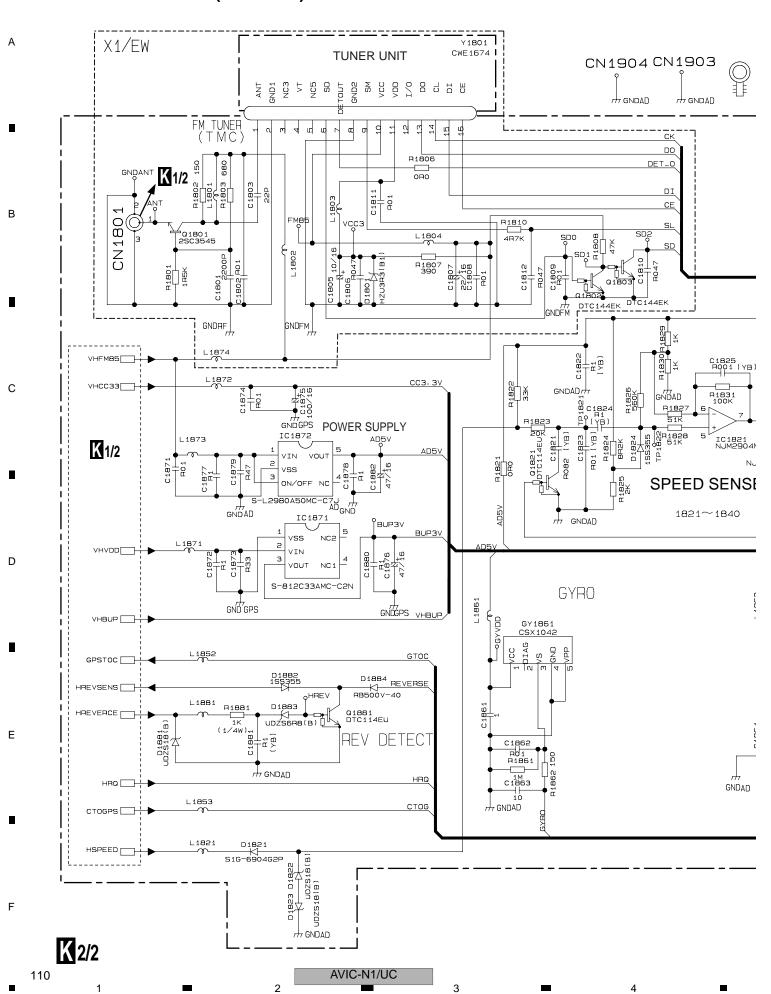
AVIC-N1/UC

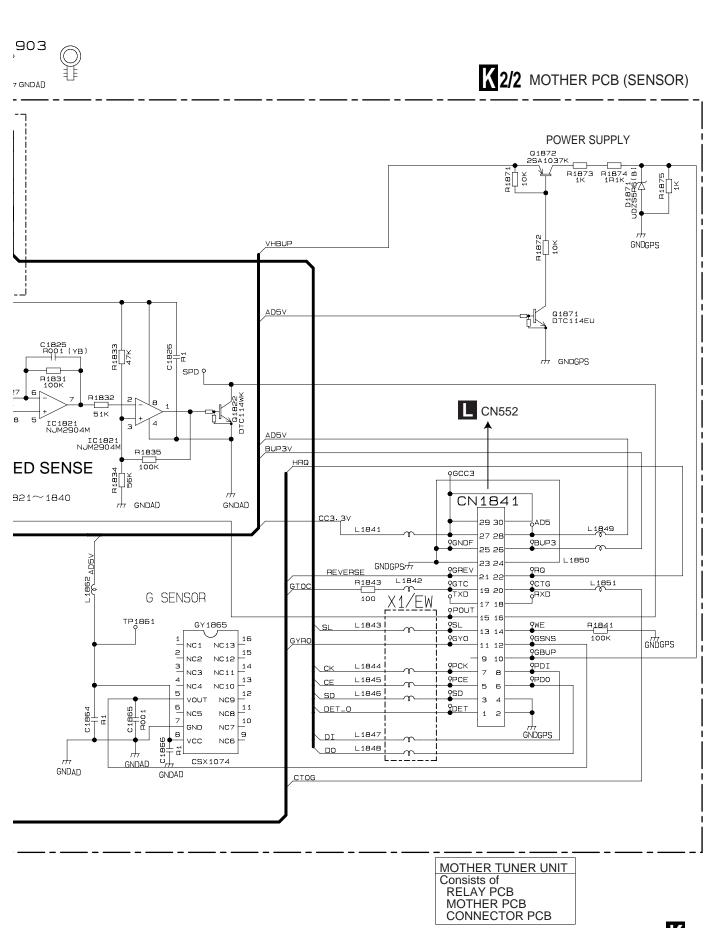
\_





#### 3.20 MOTHER PCB (SENSOR)





6

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В

С

D

Ε

•

**X** 2/2

AVIC-N1/UC

7

Α

В

С

D

Ε

F

112

AVIC-N1/UC

CONNECTOR PCB

3

5 6 7 8 Α В С D Е F AVIC-N1/UC 113 5 6 8

2

AVIC-N1/UC

2

Waveforms

The encircled number denote measuring pointes in the circuit diagram.

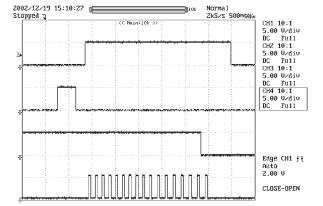
• CLOSE -> OPEN

5

- ① CH1:MTR2
- ② CH2:MTRSEL

6

- ③ CH3:LIFTSW
- **4** CH4:LFTPLS



• MAX -> Deg.0 DOWN

7

- ⑤ CH1:MTR1
- **⑥ CH3:ANGLSW**
- ② CH2:MTRSEL ⑦ CH4:ANGLIN

8

Α

В

С

D

Ε

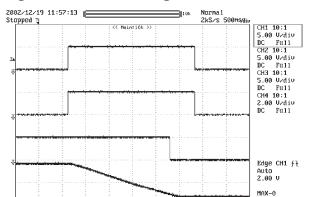
CH1 10:1 5.00 U/div DC Full CH2 10:1

5.00 U/div DC Full CH3 10:1 5.00 U/div

DC Full CH4 10:1 5:00 U/div DC Full

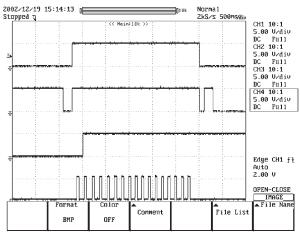
Edge CH1 fl Auto 2.00 V

OPEN-CLOSE \_\_IMAGE\_\_ \_\_File Name

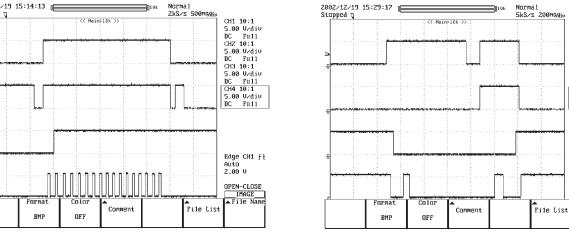


• OPEN -> CLOSE

- ① CH1:MTR2 ③ CH3:LIFTSW
- ② CH2:MTRSEL
- 4 CH4:LFTPLS

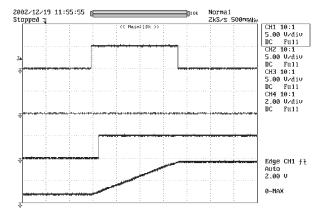


- Set back open -> Set
- ① CH1:MTR2 ③ CH3:LIFTSW
- ® CH2:MTRS
- 4 CH4:LFTPLS



• 0->MAX

- ⑤ CH1:MTR1
- ② CH2:MTRSEL
- **© CH3:ANGLSW**
- ⑦ CH4:ANGLIN



F

AVIC-N1/UC

115

8

AVIC-N1/UC

P-b

7

P GPS UNIT

8

Α

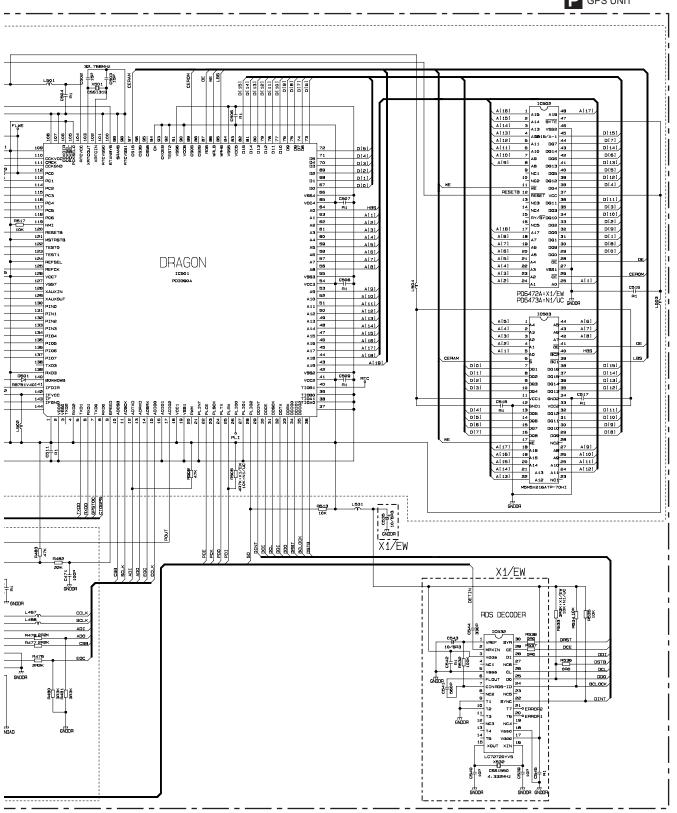
В

С

D

Ε

F



6

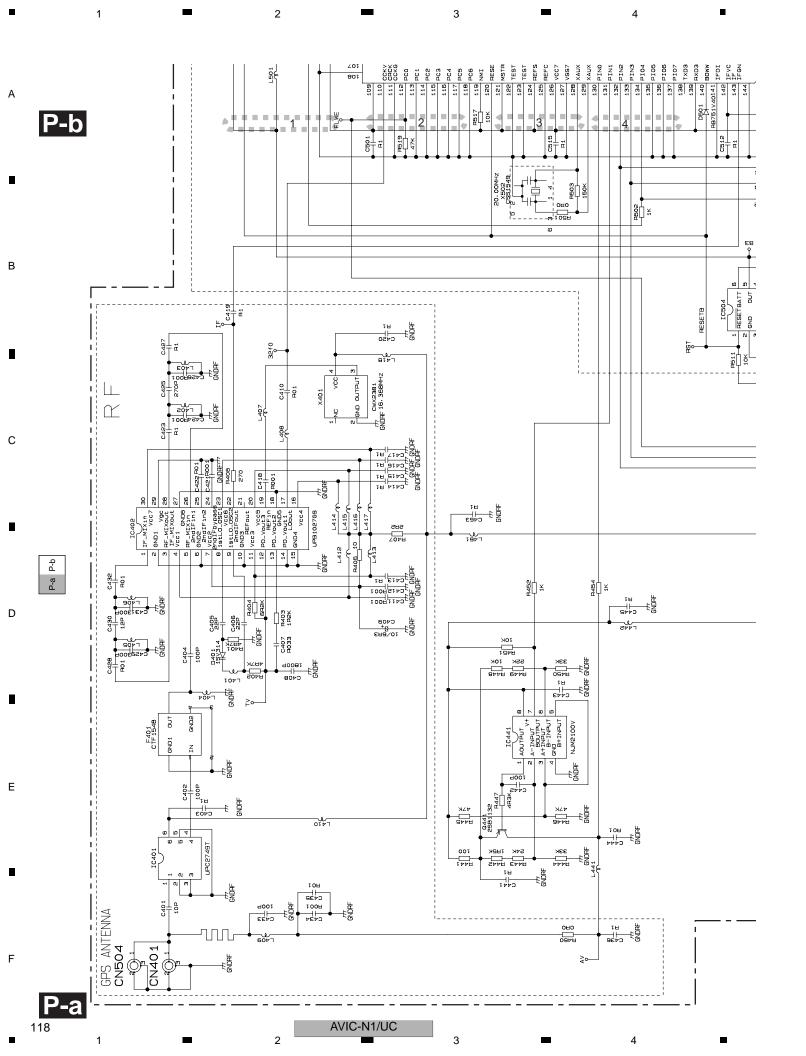
117

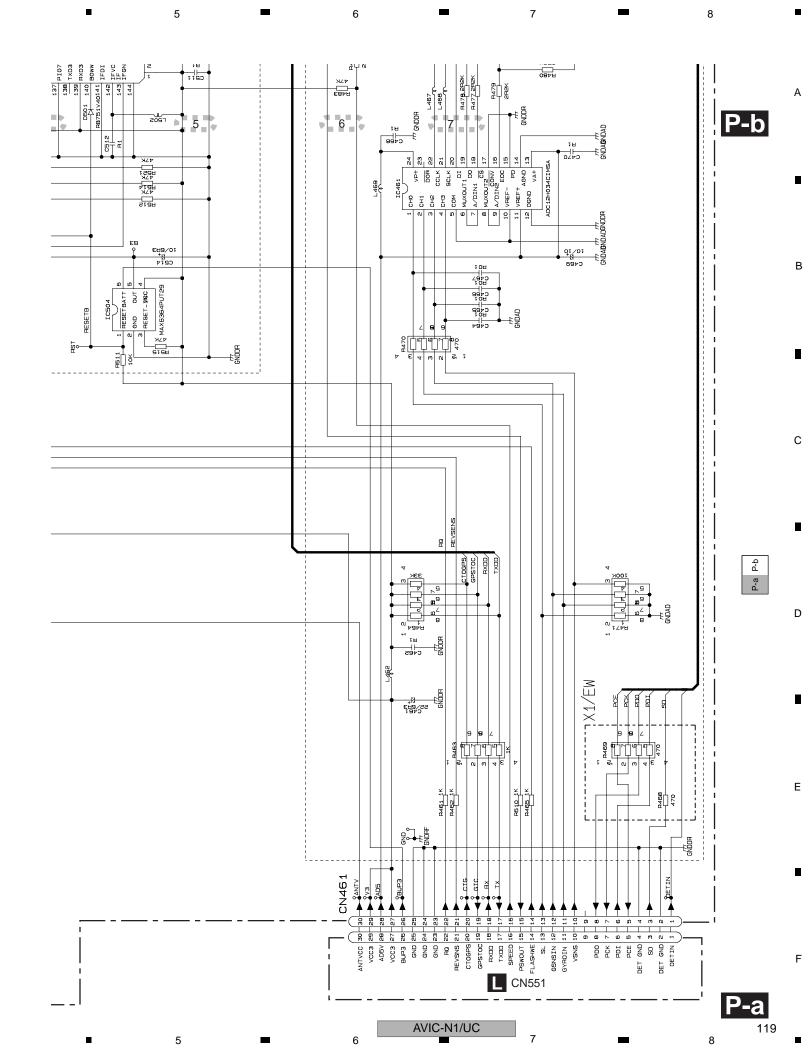
AVIC-N1/UC

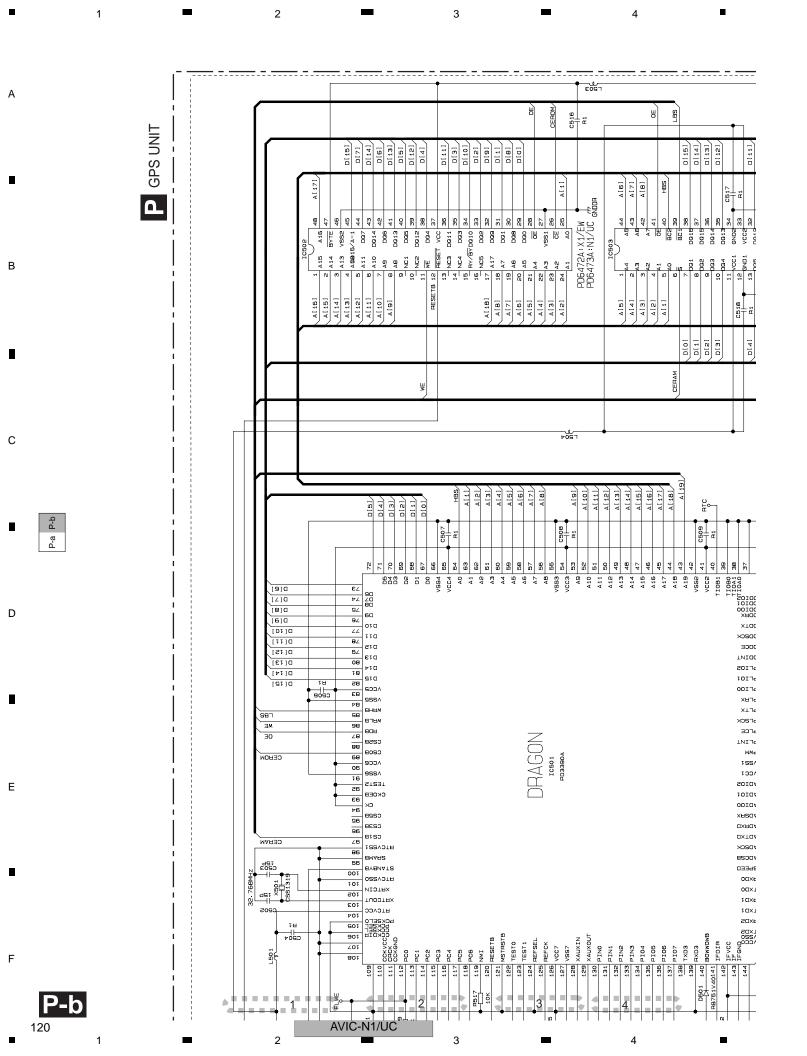
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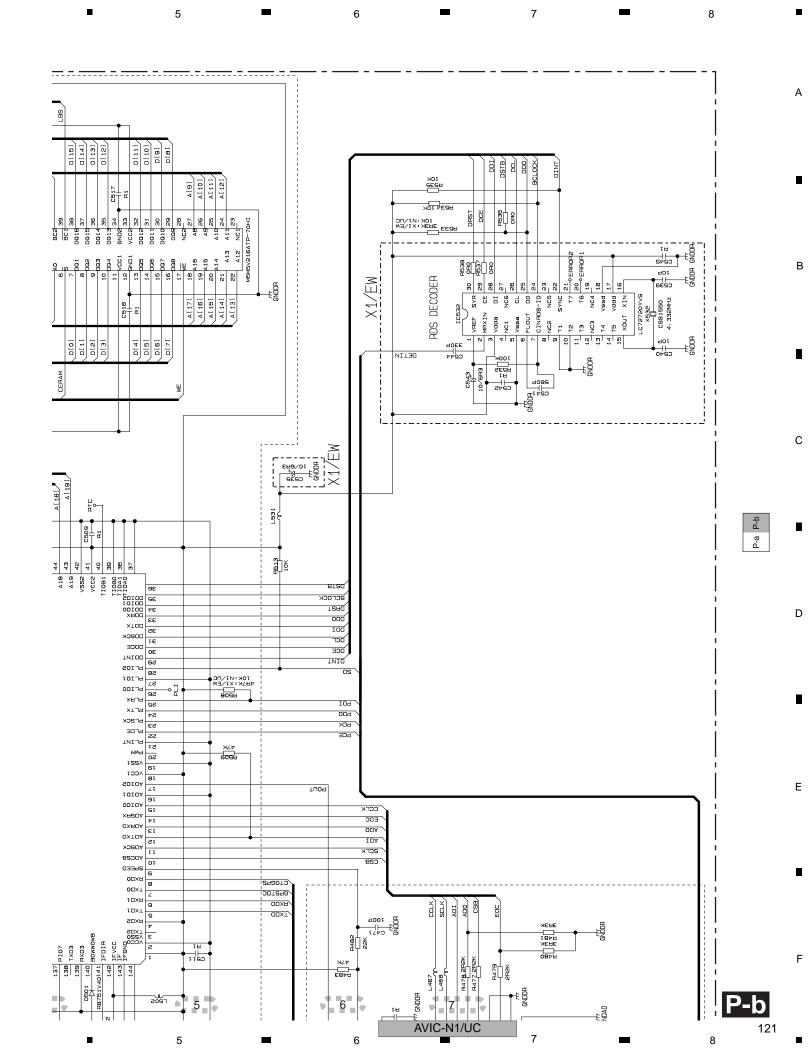
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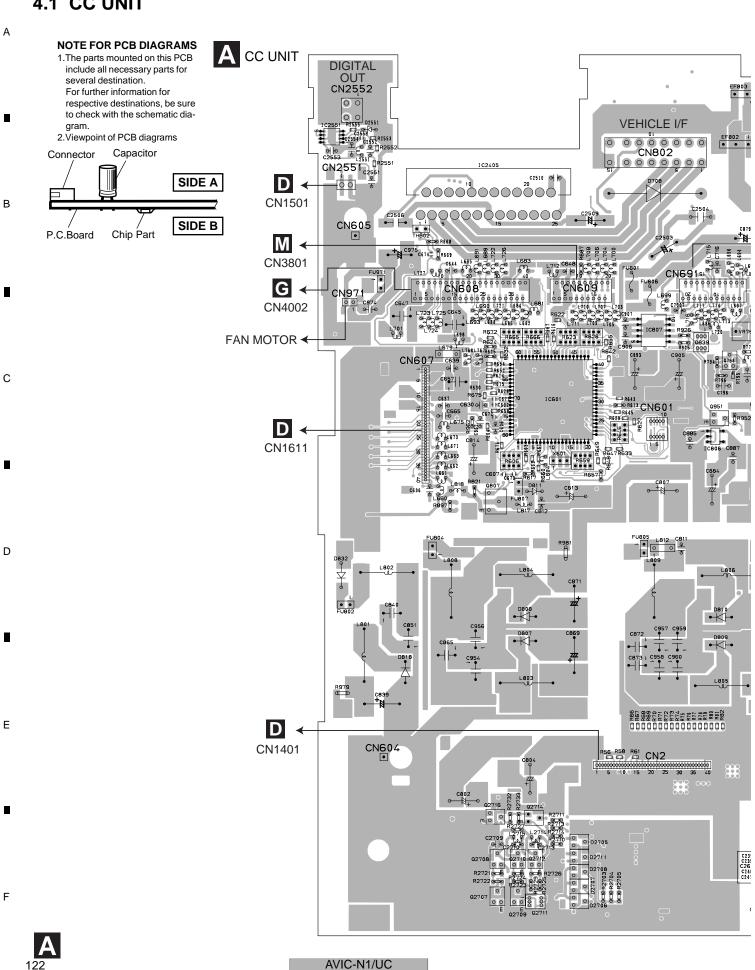
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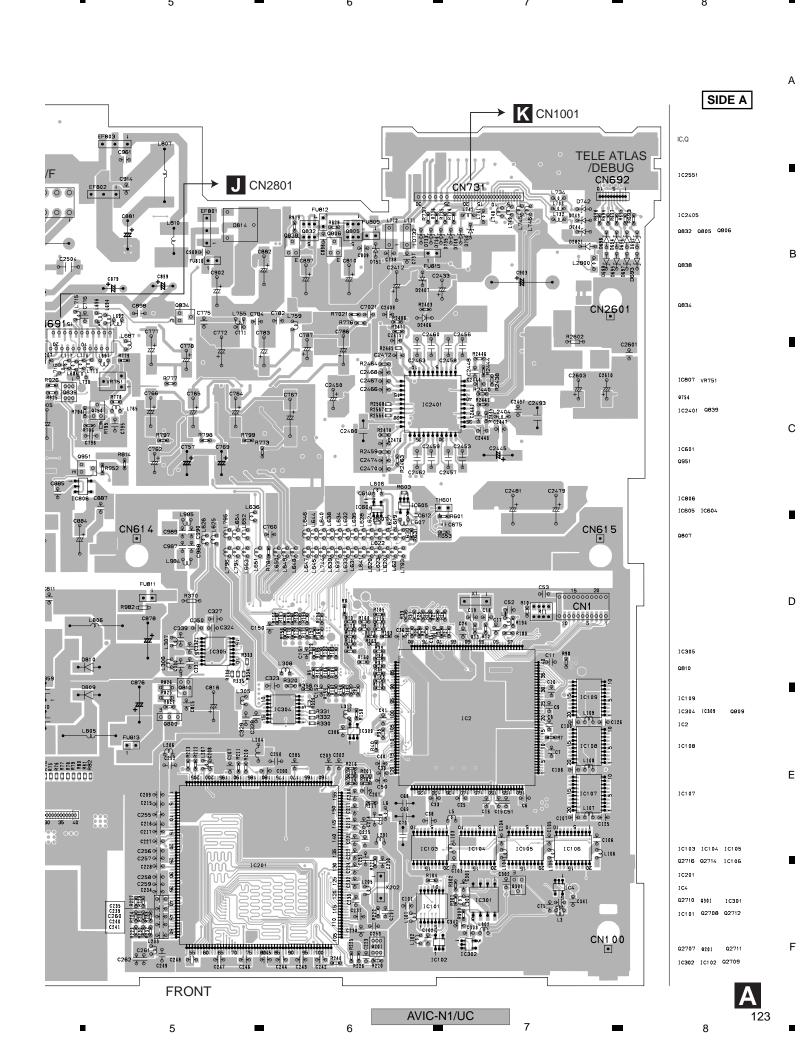




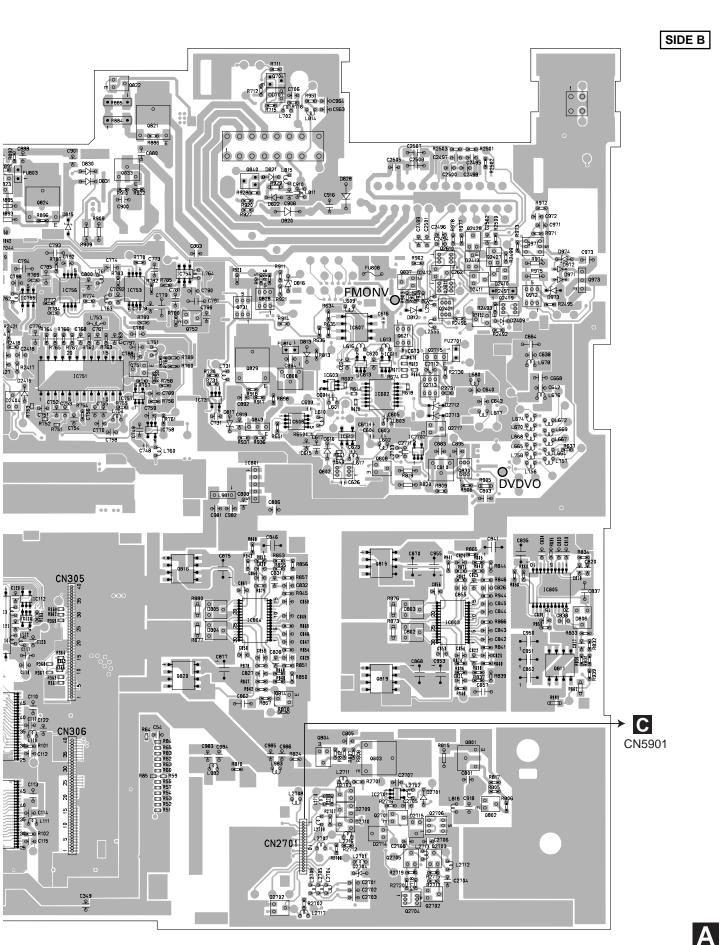








A CC UNIT IC.Q 0815 IC112 10805 IC113 I C5 0811 IC110 103 101 Q802 IC111 Q2706 C300 R300 87 987 150 O O O O O O O O O 02703 Q2702 AVIC-N1/UC



AVIC-N1/UC

5

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Α

В

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С

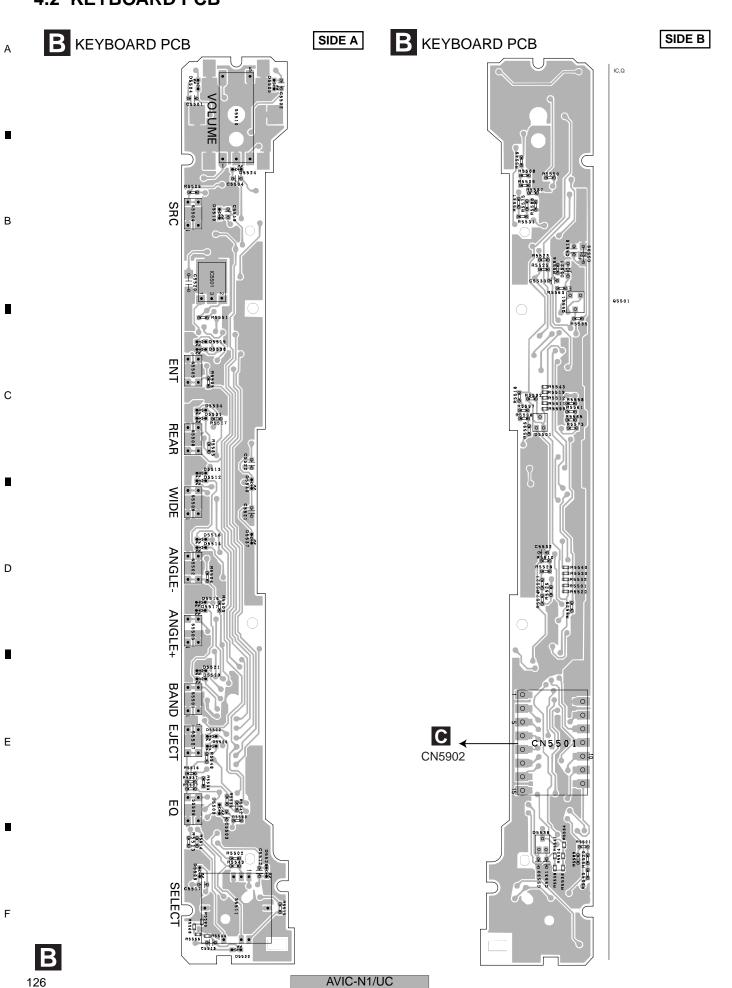
D

E

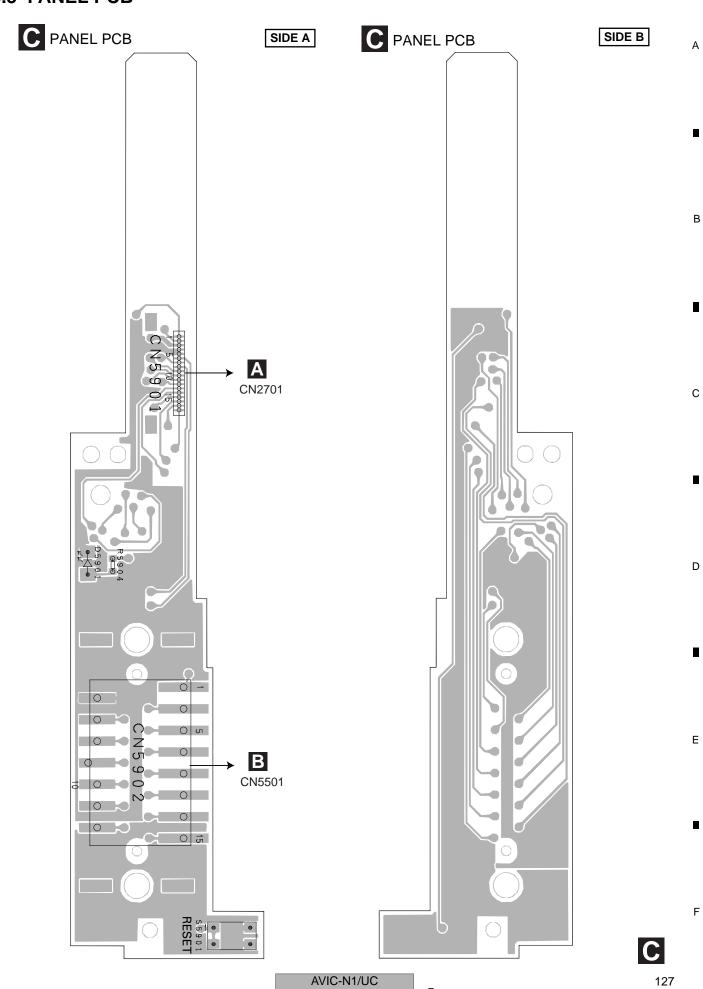
F

25

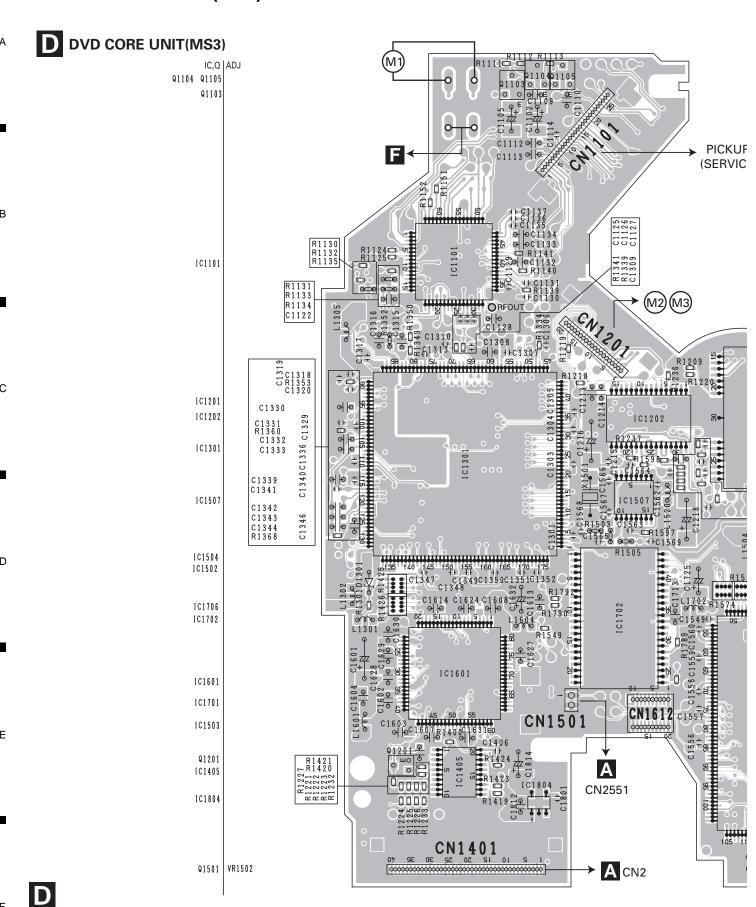
## 4.2 KEYBOARD PCB



# 4.3 PANEL PCB



#### 4.4 DVD CORE UNIT(MS3)



128 AVIC-N1/UC
1 2 3

SIDE A

8

В

С

D

Ε

7

13) C12128 R1202 R1203 C1203 R1202 R1203 R1203 R1203 R1203 R1203 R1203 R1203 R1504 C1207 C1206 C1205 2505 1505 #0÷000 이는 (1507 CN1603 C1728 R1574 R1567 R1564 SZ 0Z ST 01 SZ 04 D 04 D 04 D 05 S7 07 SE 0E C1721 0 8 1 R1803 R1567 R1557 R1551 R1544 R1550 R1544 IC1701 IC1503 170796 17140 181715 15 20 25 30 35 **A** CN607

6

D

8

5

PICKUP UNIT (SERVICE)(DP5)

AVIC-N1/UC

D DVD CORE UNIT(MS3)



R1805 R1804 R1716 C1703R1767R1734R1735 R1717 R1722R1731 OR1732 IC1705 

D

D

Е

130 AVIC-N1/UC

1 2 3 =

6

7

8

5

7 - 8

## 4.5 COMPOUND UNIT(A) AND COMPOUND UNIT(B)

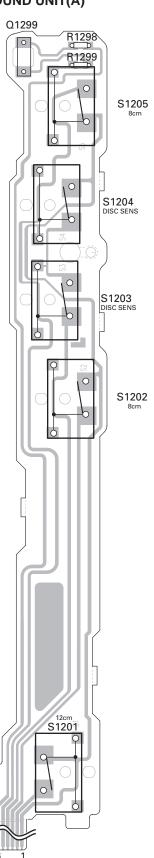
E COMPOUND UNIT(A)

В

С

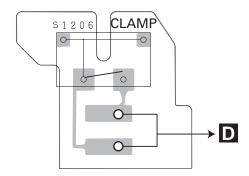
D

Е



**→ D** CN1202

COMPOUND UNIT(B)



E|F

<u>-</u> 1 ■ AVIC-N1/UC

-

#### **4.6 CONNECTOR PCB**

CONNECTOR PCB

SIDE A

CONNECTOR PCB

7

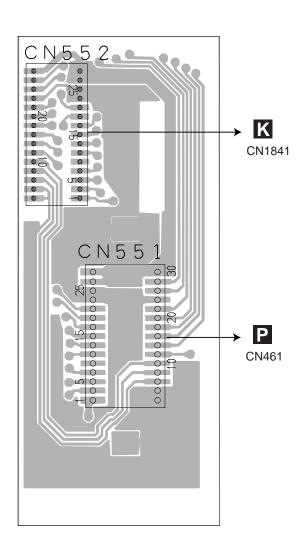
SIDE B

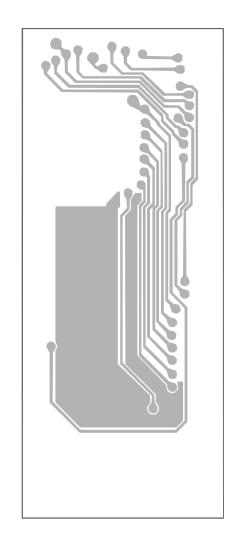
В

С

Е

8



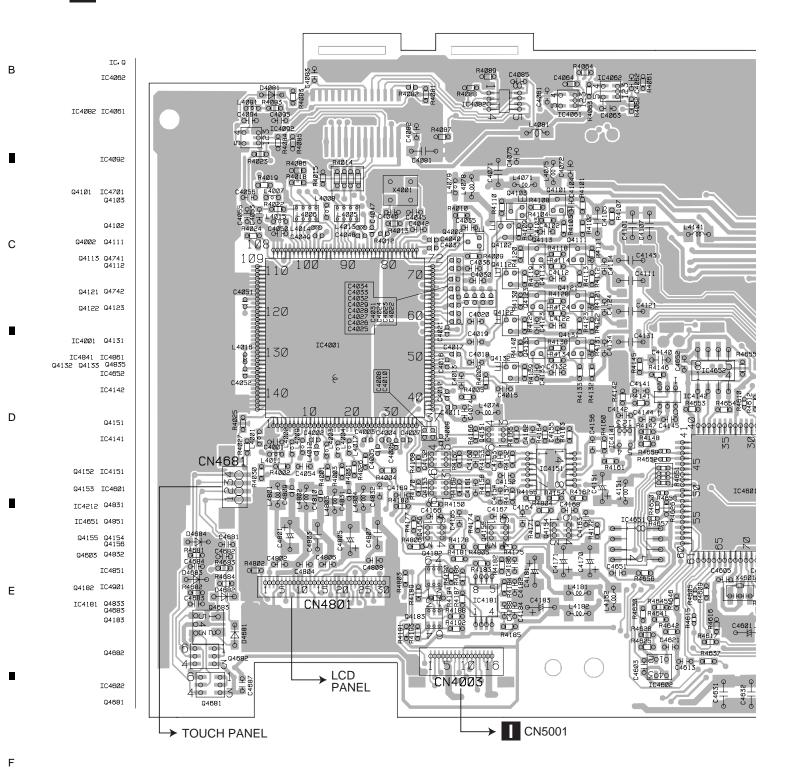


L

AVIC-N1/UC

#### 4.7 MONITOR PCB

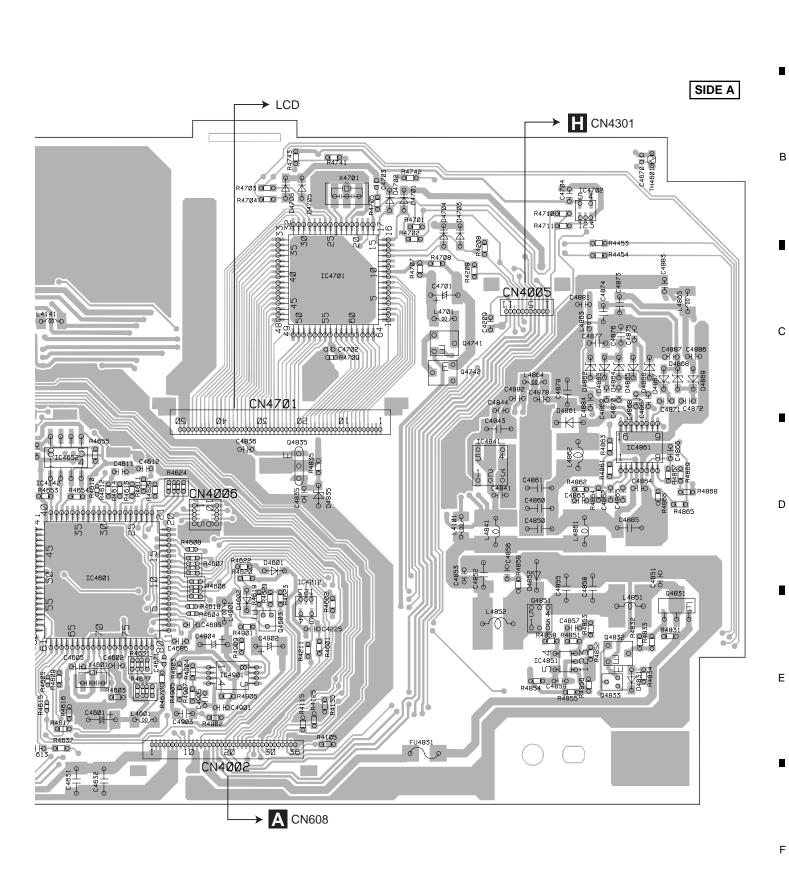
**G** MONITOR PCB



G

AVIC-N1/UC

**2 3 4** 



G

AVIC-N1/UC

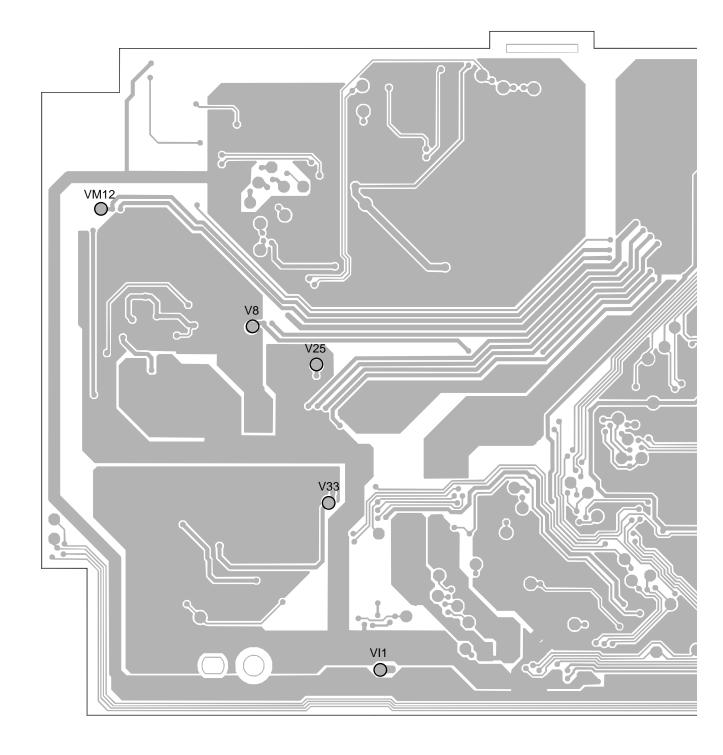
1 2 3 4

**G** MONITOR PCB

В

D

Е



**G** 

F

AVIC-N1/UC 3 4

7 5 6 8

SIDE B

В

С

D

Ε

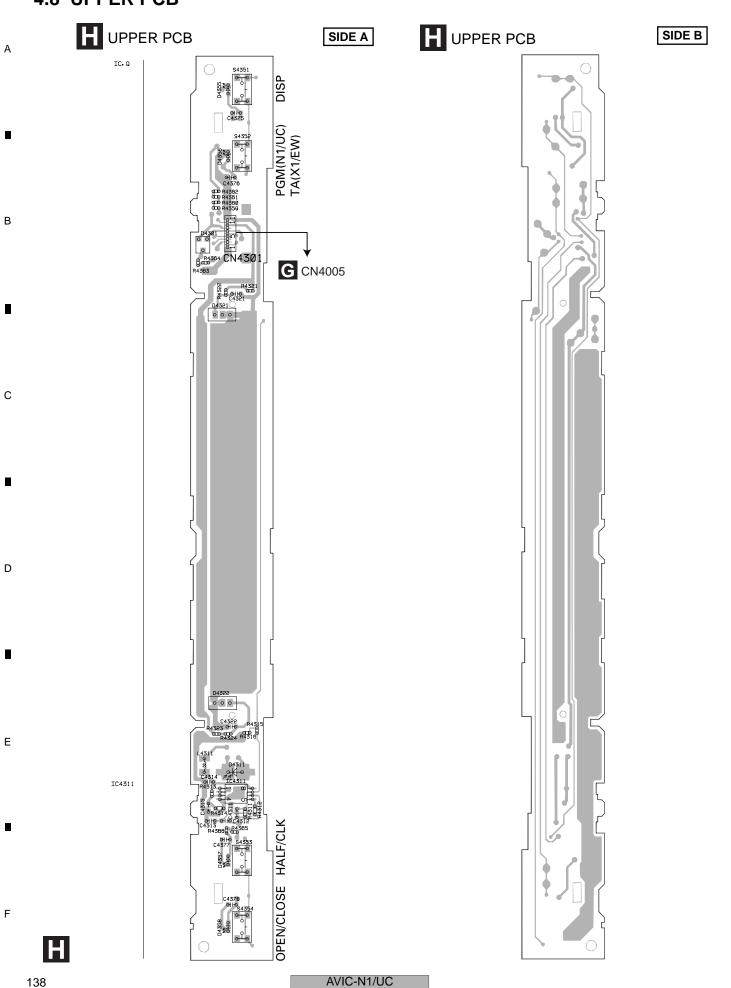
OV18 OV5 OCVBS OANB OANG OANR VB VG VCOM

**G** 

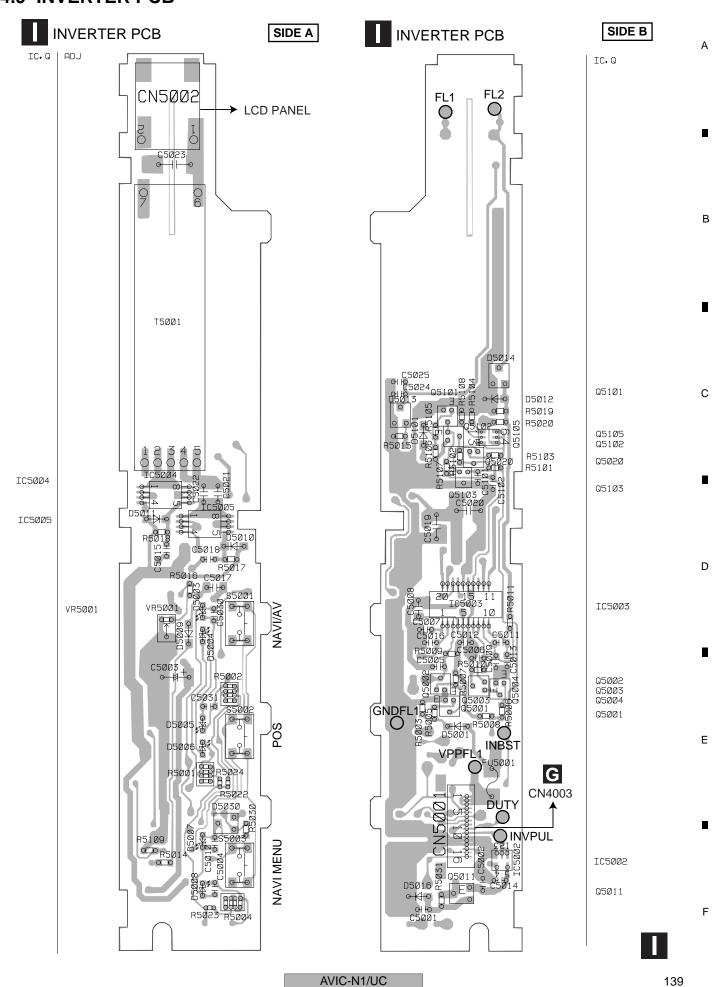
AVIC-N1/UC

5

## 4.8 UPPER PCB



**4.9 INVERTER PCB** 



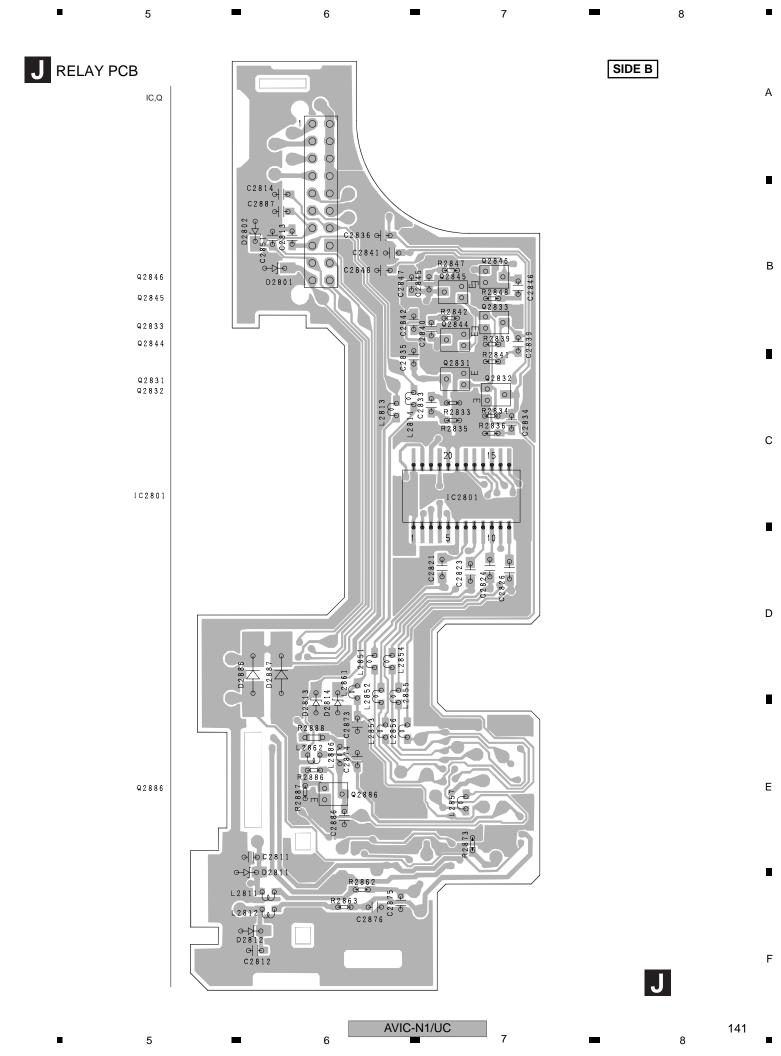
В

С

D

Е

F



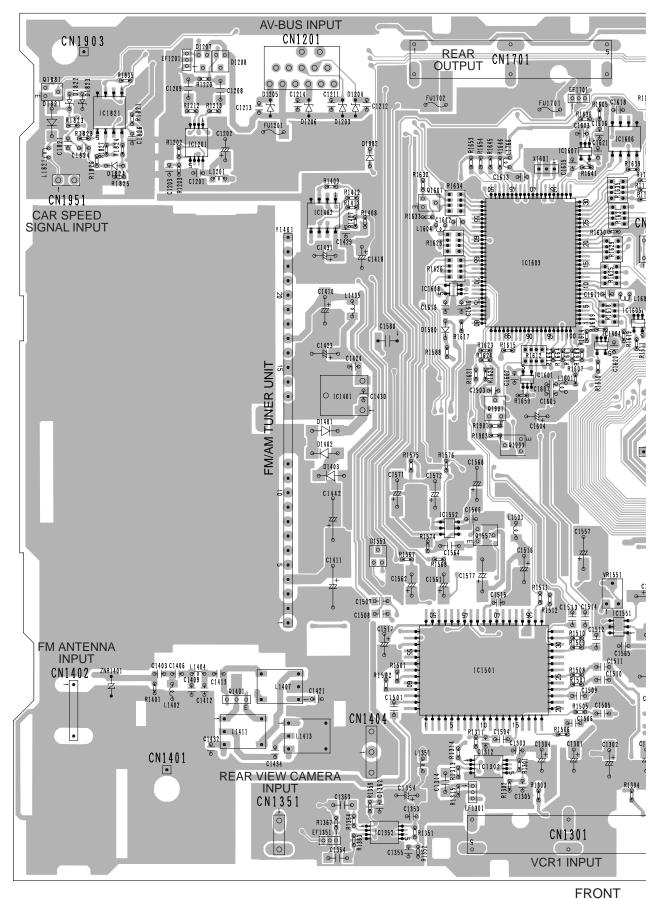
#### 4.11 MOTHER PCB

# K MOTHER PCB

В

D

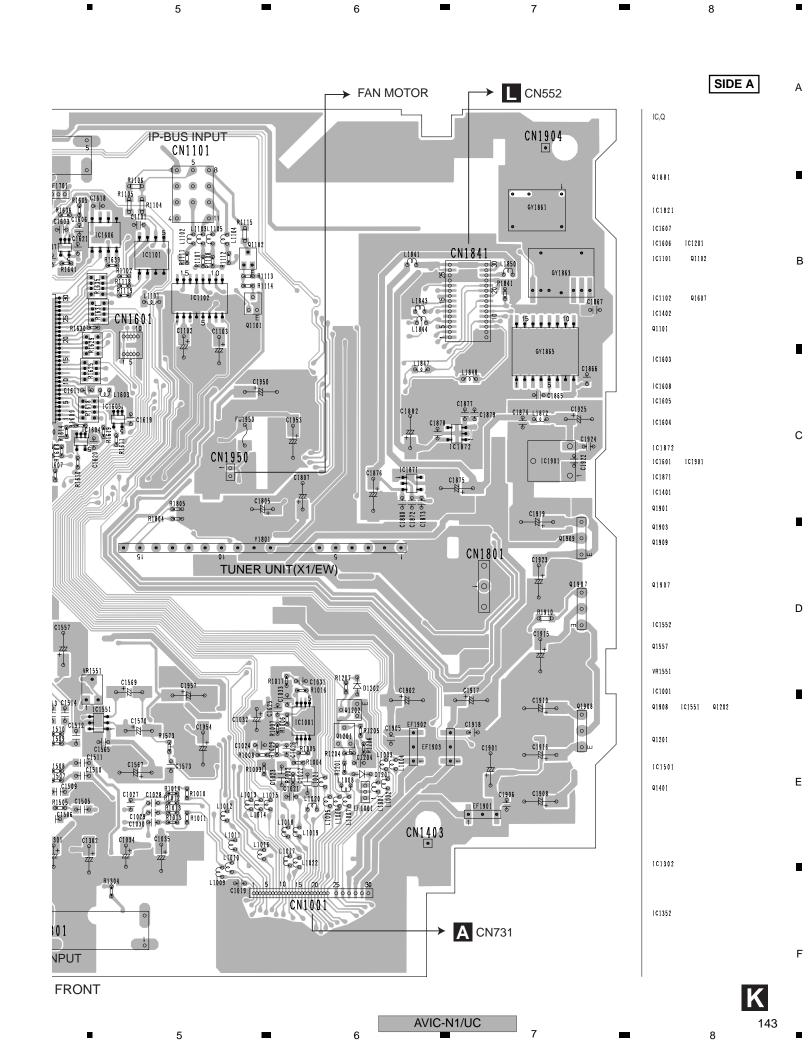
Е



AVIC-N1/UC

2

3 ■ 4



В

С

D

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Q18220 R1836 R1219 00 o | |o | C1210 | Q R1218 00000 1214 R1217 R1216 C1822 R18222 C1823 B D1883 → I√ • C1881 ⊖ |⊖ R1881 9 0 0 0 0 1821 R1651 R1655 R1644 R1644 R1640 R1640 R1647 GIDD GIDD 00 R1117 R1665 GID GID R1116 R1613 GID GID R1650 C1614 0 R1642 → C1427 R1402 **— ≎**—≎R1416 ○ ○ □ 01403 어 le c1425 R1410 R1403 OCO C1402 OHO R1586 CD1582 ECO C1407 Ö R1426 9000 C1405 4 00.0 R1577 C1574 R1429 C1415 O O D1552 € L1406 R1431 0 R1558 R1560 GEO R1565 GHO GEO D1551 R1565 TO TO R1563 TO R15 C1437 C1428
C1437 C1429
C1437 C1420
C1437 C1420
C1411 C1420
C1421 C1422
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C1424 C1422
C1424 C1422
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C1424 L1552 Q1558 56 0 JO L1553 C1552 C1553 R1561 R1561 R1563 R1561 R1563 C1414 R1406 → → OEE 1 C1433 c) | R1423 C1306
C1307
C1307 Ü 10 R1422 8 R1424 1 C1435 01 VCR1INV 01304 0 0 ol |o C1309 D1302 O 0 0 01303 R1358 R1357 GEN GEN O 10 C1360

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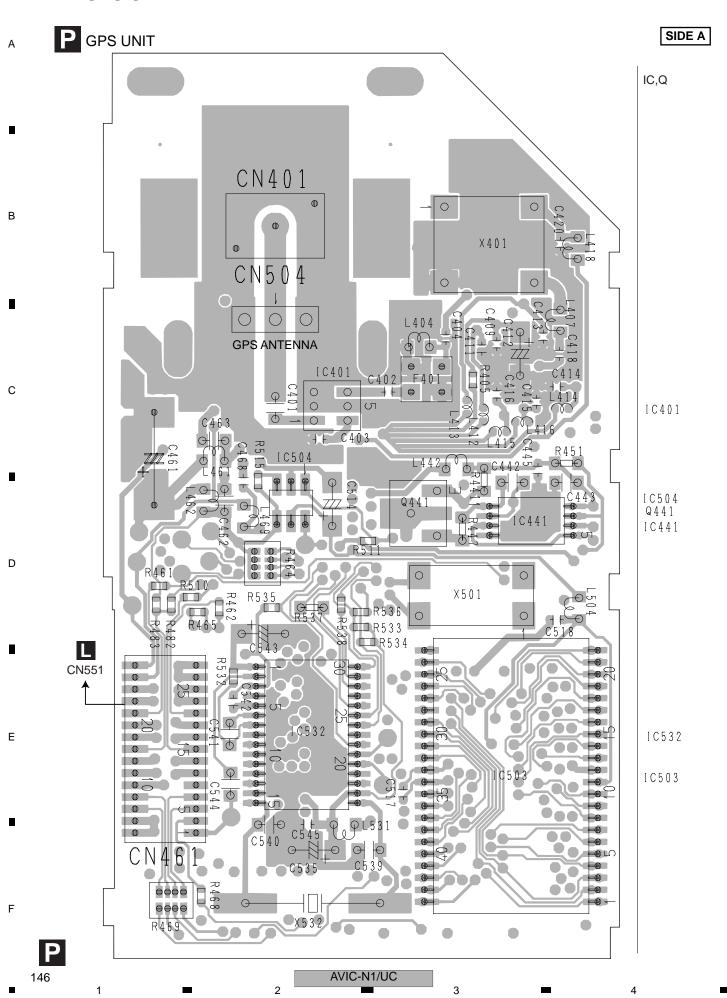
K

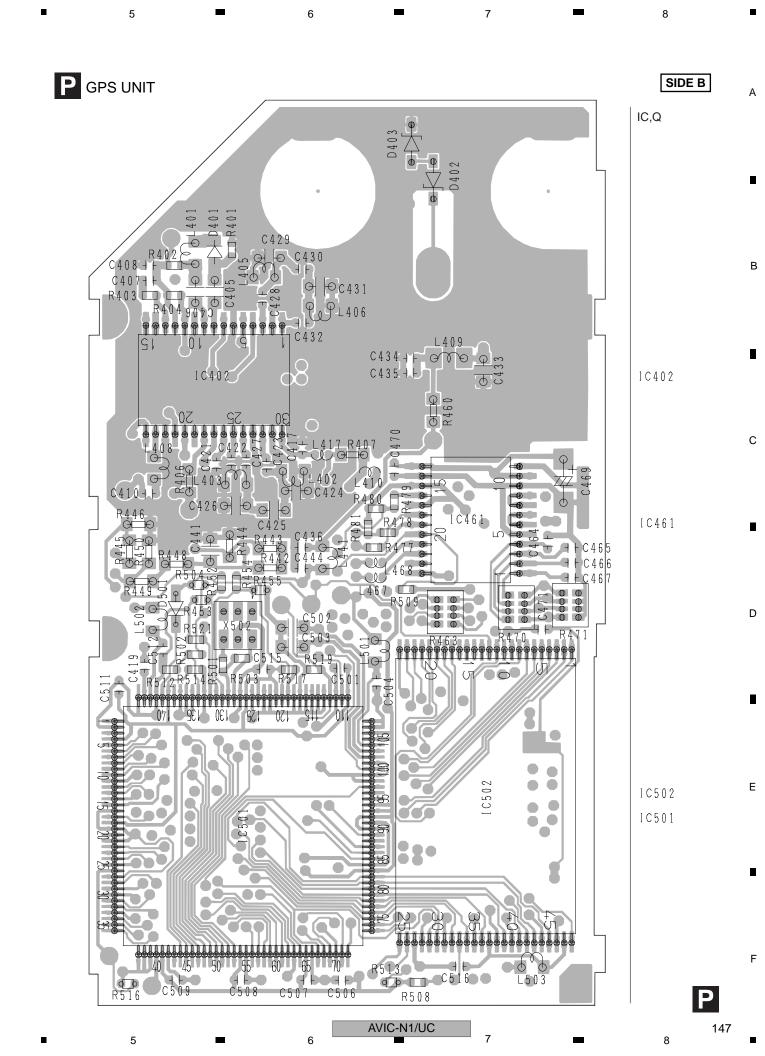
AVIC-N1/UC

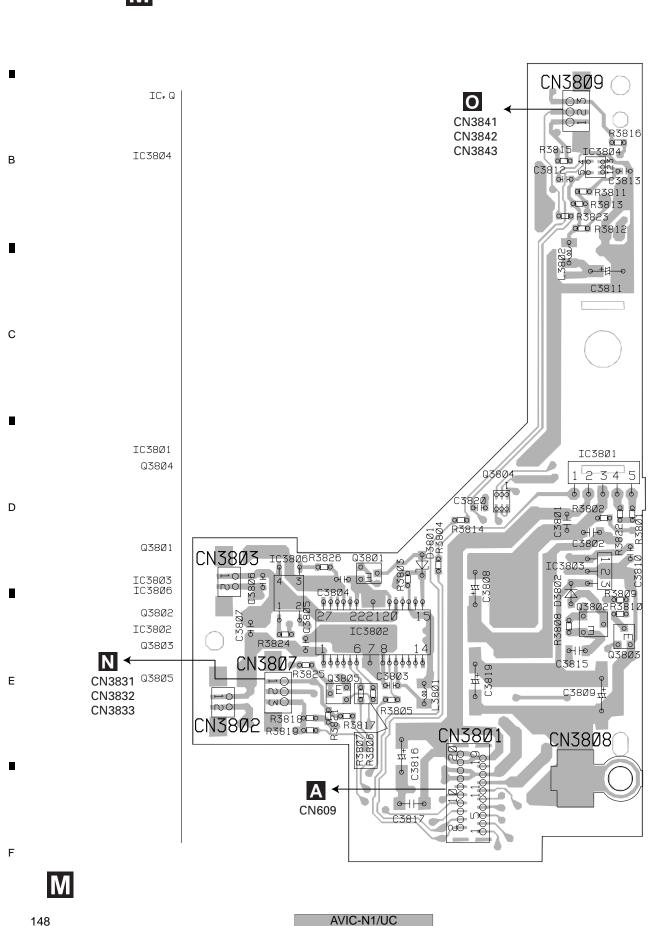
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## 4.12 GPS UNIT







M MAIN UNIT

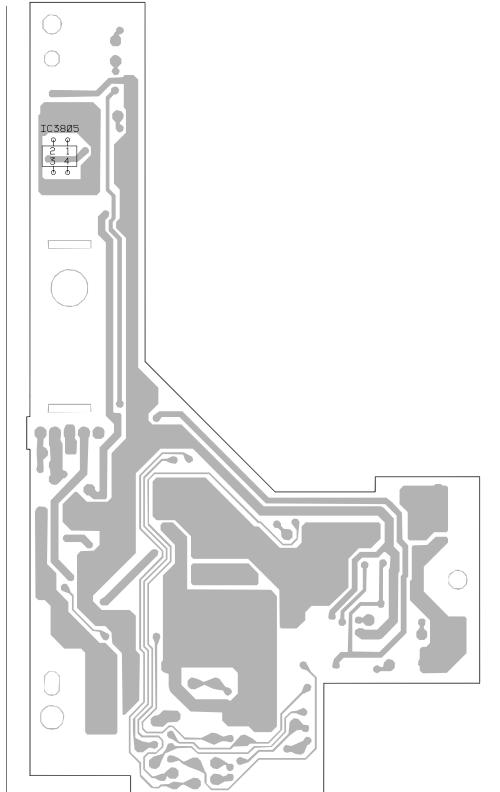
SIDE B

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## 4.14 SW UNIT AND VOLUME UNIT

N sw unit

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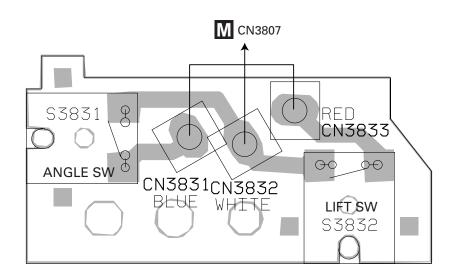
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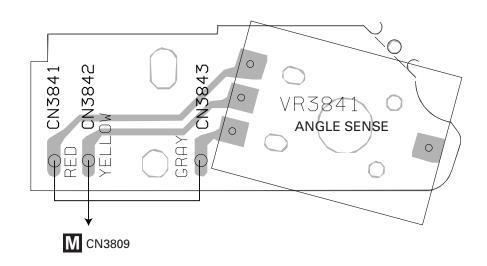
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AVIC-N1/UC

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NO

## **5. ELECTRICAL PARTS LIST**

*NOTE:* 

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor  $RS1/\bigcirc S\bigcirc\bigcirc\bigcirc J, RS1/\bigcirc\bigcirc S\bigcirc\bigcirc\bigcirc J$ 

Chip Capacitor (except for CQS.....)

(	CKS, CCS, CSZS						
Circ	cuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.		
			IC 754	IC	NJM2561F1		
			IC 755	IC	NJM2561F1	В	
Α			IC 756	IC	NJM2235V		
		\//C \/4/\/E\\/\	IC 757	IC	TC7SET08FU		
Unit Nu	mber:CWM9128(A	WIC-X1/EW)	IC 758	IC	TC7SZ08FU		
Unit Nu	mber:CWM9129(A	VIC-N1/UC)	10 7 30	10	10/020010		
	me:CC Unit		IC 801	IC	PQ018EZ01Z		
Unit Na	me:cc onit		IC 803	IC	TPS5102IDBT	_	
			IC 803	IC IC			
MISCELL	<u> ANEOUS</u>				TPS5102IDBT TPS5103IDB		
			IC 805	IC			
IC 1	IC	K4S561632E-TL75	IC 806	IC	S-L2980A33MC-C6S		
IC 2	IC	UPD705103GM-180					
IC 3	IC	HY57V561620CLT-H	IC 807	IC	TPD1018F		
IC 4	IC	TC7SZ08FU	IC 808	IC	S-812C52AUA-C3G	0	
IC 5	IC	PD6336B	IC 810	IC	S-812C56AUA-C3K	С	
10 3	IC	1 D0330B	IC 2401	IC	PML009A		
IC 101	10	TOTAL CYONET	IC 2402	IC	TC7W66FU		
	IC	TC74LCX08FT					
IC 102	IC	TC7SH04FU	IC 2403	IC	TDA7052BT		
IC 103	IC	TC74LCX245FT	IC 2404	IC	NJM2058V		
IC 104	IC	TC74LCX245FT	IC 2405	IC	PAL007A	Ī	
IC 105	IC	TC74LCX245FT	IC 2407	IC	NJM3403AV		
			IC 2408	IC	NJM2107F		
IC 106	IC	TC74LCX245FT	10 2400	10	14010121071		
IC 107	IC	TC74LCX541FT	IC 2551	IC	TC7WT125FU		
IC 108	IC	TC74LCX541FT	IC 2551	IC	NJM2068V		
IC 109	IC	TC74LCX541FT					
IC 110	IC(X1/EW)	PD6461A	IC 2553	IC	NJM2068V	D	
	,		IC 2601	IC	NJM3403AV		
	IC(N1/UC)	PD6466A	IC 2701	IC	TC7SH08FU		
IC 111	IC(X1/EW)	PD6462A					
10 111	IC(N1/UC)	PD6467A	IC 2702	IC	TC7SH14FU		
IC 112	IC	TC7SH00FU	Q 201	Transistor	UMD2N		
IC 113	IC	M5M5V216ATP-70HI	Q 301	Transistor	DTC114EU		
10 113	IC	MOMOVETOATT -70111	Q 601	Transistor	2SC4081		
IC 114	10	TOTOLIOOFILE	Q 602	Transistor	UMD2N		
	IC	TC7SH08FU					
IC 201	IC	MB86291APFVS-G-DL	Q 621	Transistor	IMD2A		
IC 301	IC	M51957BFP	Q 691	Transistor	2SD1767		
IC 302	IC	TC7SH08FU	Q 692	Transistor	IMD3A		
IC 304	IC	AK4351VT	Q 704	Transistor	2SA1576		
			Q 731	Transistor	IMD3A	Е	
IC 305	IC	AK5381VT					
IC 309	IC	TC7SH08FU	Q 751	Transistor	2SC4081		
IC 601	IC	PD5937A	Q 751 Q 752	Transistor	2SC4081		
IC 602	IC	TC74VHCT08AFT	Q 754	Transistor	2SC4081		
IC 603	IC	TC7SH08FU			2SB1260		
			Q 801	Transistor		_	
IC 604	IC	TC7SH08FU	Q 802	Transistor	DTC114EU		
IC 605	IC	TC7SH08FU					
IC 608	IC	TC7WT125FU	Q 803	Transistor	2SA1834F5		
IC 611	IC	TC7S04FU	Q 804	Transistor	DTC114EU		
IC 611	IC	S-80840CNMC-B8Z	Q 805	FET	RSQ030P03		
10 012		O OOOTOOI NIVIO-DOZ	Q 806	Transistor	DTC144EU		
10 640	IC	TOTOLIOOFIL	Q 807	Transistor	2SB1260	_	
IC 613	IC	TC7SH00FU				F	
IC 691	IC	UPD4721GS	Q 808	Transistor	DTC114EU		
IC 751	IC	CXA1645M	Q 809	Transistor	2SA1797		
IC 752	IC	NJM2137V	Q 810	Transistor	DTC114EU		
IC 753	IC	NJM2235V			- · ·		
		A\	/IC-N1/UC		15	51	
	5	6		7	8	•	

	Cir	cuit Symbol and No.	Part No.		Circuit S	Symbol and No.	Part No.
	Q 811	FET	RK4936	Q 27	711 Trar	nsistor(X1/EW)	UMH1N
	Q 814	Transistor	DTC114EU	Q 27		nsistor(X1/EW)	2SA1577
Α	0.045	FET	DI/4000	0.0	740 T	!	IMPOA
	Q 815		RK4936	Q 27		nsistor	IMD2A
	Q 816	FET	RK4936	Q 27		nsistor	2SA1576
	Q 819	FET	RK4936	Q 27		nsistor	2SD1767
	Q 820	FET	RK4936	Q 27		nsistor	DTC124EU
	Q 821	Transistor	2SA1834F5	Q 27	717 Trar	nsistor	DTC114EU
	Q 822	Transistor	DTC114EU	D 61	10 Dio	de	1SS355
	Q 823	Transistor	2SC4081	D 69	91 Dio	de	HZU8R2(B1)
	Q 824	Transistor	2SB1184F5	D 69	92 Dio	de	UDZS20(B)
	Q 825	Transistor	2SC4081	D 69	93 Dio	de	UDZS20(B)
	Q 828	Transistor	IMX1	D 69	94 Dio	de	UDZS20(B)
В	Q 829	Transistor	2SB1184F5	D 69	95 Dio	de	UDZS20(B)
	Q 830	Transistor	UMF23N	D 69			UDZS20(B)
	Q 832	FET	RSQ030P03	D 69			UDZS20(B)
	Q 835	Transistor	2SC4081	D 69			UDZS20(B)
							` '
	Q 837	Transistor	2SC4081	D 69	99 Dio	ue	UDZS20(B)
	Q 838	Transistor	DTC144EU	D 70			DAN202U
	Q 839	Transistor	UMD2N	D 70			5KP22A
	Q 840	Transistor	2SA1576	D 73			UDZS6R8(B)
	Q 843	Transistor	2SD1767	D 73	32 Dio	de	UDZS6R8(B)
	Q 951	Transistor	DTC124EU	D 73	33 Dio	de	UDZS6R8(B)
	Q 971	Transistor	IMX2	D 73	34 Dio	de	UDZS6R8(B)
С	Q 972	Transistor	IMD3A	D 73	35 Dio	de	UDZS6R8(B)
	Q 973	Transistor	2SD1767	D 73	36 Dio	de	UMZ6R8N ´
	Q 2401	Transistor	UMD2N	D 73			UMZ6R8N
	Q 2402	Transistor	DTC323TU	D 73			UMZ6R8N
	Q 2403	Transistor	DTC323TU	D 73	39 Dio	de	UMZ6R8N
	Q 2408	Transistor	UMD2N	D 74			UMZ6R8N
	Q 2409	Transistor	DTC323TU	D 74			UDZS6R8(B)
	Q 2410	Transistor	UMD2N	D 74			UDZS6R8(B)
	Q 2410 Q 2414	Transistor	DTC124EU	D 74			UDZS6R8(B)
							,
	Q 2415	Transistor	DTC124EU	D 74	45 Dio	de	UDZS6R8(B)
	Q 2416	Transistor	UMD2N	D 74	46 Dio	de	UDZS6R8(B)
D	Q 2417	Transistor	DTC323TU	D 74	47 Dio	de	UDZS6R8(B)
	Q 2418	Transistor	DTC323TU	D 74	48 Dio	de	UDZS6R8(B)
	Q 2419	Transistor	UMD2N	D 74	19 Dio	de	UDZS6R8(B)
	Q 2420	Transistor	DTC114EU	D 75	50 Dio	de	UDZS10(B)
	Q 2421	Transistor	UMD2N	D 75			UDZS6R8(B)
	Q 2422	Transistor	2SC4081	D 75			UDZS6R8(B)
	Q 2427	Transistor	DTC124EU	D 80			RB400D
	Q 2428	Transistor	DTC124EU	D 80			RB400D
	Q 2420	Transistor	DICIZALO	D 00	)5 DIO	ue	ND400D
	Q 2603	Transistor	UMD2N	D 80			RB400D
	Q 2604	Transistor	DTC323TU	D 80			RB400D
	Q 2605	Transistor	DTC323TU	D 80			RB400D
Ε	Q 2606	Transistor	UMD2N	D 80	Dioc	de	RB060L-40
	Q 2607	Transistor	DTC323TU	D 80	Dioc	de	RB060L-40
	Q 2608	Transistor	UMD2N	D 80	09 Dio	de	RB060L-40
	Q 2610	Transistor	UMD2N	D 81			RB060L-40
	Q 2611	Transistor	UMD2N	D 81			HZU6R8(B2)
	Q 2701	Transistor	DTC114TU	D 81			KS926S2
	Q 2702	Transistor	DTC144EU	D 81			HZU7R5(B3)
	0.0700	Transiater	201577	D 04	16 D:-	do	LID7040/D\
	Q 2703	Transistor	2SA1577	D 81			UDZS18(B)
	Q 2704	Transistor	UMH1N	D 81			UDZS20(B)
	Q 2705	Transistor	2SA1577	D 81			RB060L-40
	Q 2706	Transistor	IMD2A	D 82			S1G-6904G2P
F	Q 2707	Transistor	DTC144EU	D 82	21 Dio	de	1SS355
	Q 2708	Transistor	2SA1577	D 82	22 Dio	de	1SS355
	Q 2709	Transistor(X1/EW)	DTC144EU	D 82	28 Dio	de	S1G-6904G2P
	Q 2710	Transistor(X1/EW)	2SA1577	D 83			RB500V-40
l	152	,		AVIC-N1/UC			
•	.02	1 -	2		3	-	4

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Circ	cuit Symbol and No.	Part No.		Circuit	Symbol and	l No.	Part No	<u>).</u>	
D 831	Diode	RB500V-40			ductor		CTF1379		
D 832	Diode	S1G-6904G2P	L	301 Ir	nductor		CTF1557		Α
D 833	Diode	1SS400			nductor		CTF1557		^
D 971	Diode	RB751V40			ductor		CTF1556		
D 972 D 973	Diode Diode	RB751V40			nductor		CTF1556 CTF1556		
D 973	Diode	HZU8R2(B1) UDZ12(B)			nductor nductor		CTF1336		
D 2404	Diode	DAN202U			nductor		CTF1410		
D 2405 D 2406	Diode Diode	DAP202U 1SS355	L		nductor nductor		CTF1334 CTF1334		
D 2407	Diode	UDZS4R7(B)			ductor		CTF1334		
D 2408	Diode	DAP202U \			nductor		CTF1334		
D 2409	Diodo	LIDZCOD2/D)	1	605 In	ductor		CTF1334		_
D 2409 D 2410	Diode Diode	UDZS8R2(B) DAN202U			nductor nductor		CTF1334		В
D 2411	Diode	DAN202U			ductor		CTF1334		
D 2412	Diode	DAN202U			ductor		CTF1334		
D 2413	Diode	DAN202U	L	613 Ir	nductor		CTF1334		
D 2551	Diode	UDZS6R8(B)	1	616 Ir	nductor		CTF1334		
D 2701	Diode	1SS355			ductor		CTF1334		
D 2702	Diode Network	DA204U			nductor		CTF1306		
D 2703	Diode Network	DA204U			ductor		CTF1306		
D 2704	Diode	UDZS5R6(B)	L	621 II	nductor		CTF1306		
D 2705	Diode Network	DA204U	L	622 Ir	nductor		CTF1384		
D 2706	Diode Network	DA204U			ductor		CTF1387		С
D 2707	Diode Network	DA204U			ductor		CTF1334		
D 2708 D 2709	Diode Network Diode Network	DA204U DA204U			nductor nductor		CTF1306 CTF1306		
2 2.00	Blodd Notwork	5,12010	_		iadotoi		011 1000		
D 2710	Diode Network	DA204U			ductor		CTF1306		
D 2711 D 2712	Diode Network Diode	DA204U HZU8R2(B1)			nductor		CTF1306		
D 2712 D 2713	Diode	HZU5R6(B2)			nductor nductor		CTF1306 CTF1306		_
D 2714	Diode	DAP202U			ductor		CTF1334		
D 0745	D'a da	DADOOUL		000	al catao		OTE4004		
D 2715 D 2821	Diode Diode	DAP202U RB500V-40			nductor nductor		CTF1334 CTF1334		
L 1	Inductor	CTF1558			ductor		CTF1334		D
L 2	Inductor	CTF1558			ductor		CTF1306		
L 3	Inductor	CTF1410	L	636 Ir	nductor		CTF1334		
L 5	Inductor	CTF1556	1	637 Ir	nductor		CTF1306		
L 6	Inductor	CTF1295			ductor		CTF1306		
L 7	Inductor	CTF1558			nductor		CTF1306		
L 8	Inductor	CTF1556			nductor		CTF1306		
L 101	Inductor	CTF1557	L	041 11	nductor		CTF1306		
L 102	Inductor	CTF1557	L	644 Ir	ductor		CTF1306		
L 103	Inductor	CTF1557			ductor		CTF1306		
L 104 L 105	Inductor Inductor	CTF1557 CTF1557			nductor nductor		CTF1334 CTF1334		_
L 106	Inductor	CTF1557			ductor		CTF1378		Е
L 107	Inductor	CTF1557			nductor		CTF1378		
L 108 L 109	Inductor Inductor	CTF1557 CTF1557			nductor nductor		CTF1378 CTF1378		
L 110	Inductor	CTF1556			ductor		CTF1334		_
L 111	Inductor	CTF1556	L,	653 Ir	nductor		CTF1467		
I 112	Inductor	CTE1556	1	654 lr	ductor		CTE1206		
L 112 L 113	Inductor Inductor	CTF1556 CTF1557			nductor nductor		CTF1306 CTF1463		
L 114	Inductor	CTF1557			ductor		CTF1386		
L 201	Inductor	CTF1556			nductor		CTF1306		
L 203	Inductor	CTF1556	L	663 Ir	ductor		CTF1306		F
L 204	Inductor	CTF1488	L	665 Ir	nductor		CTF1306		
L 205	Inductor	CTF1556	L	667 Ir	nductor		CTF1467		
L 206	Inductor	CTF1556			nductor		CTF1334		
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	Ci	rcuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.
	L 669	Inductor	CTF1306	L 734	Inductor	CTF1295
	L 670	Inductor	CTF1306	L 735	Inductor	CTF1295
Α			077.000			077.007
	L 671	Inductor	CTF1306	L 736	Inductor	CTF1295
	L 672	Inductor	CTF1306	L 737	Inductor	CTF1295
	L 673	Inductor	CTF1306	L 738	Inductor	CTF1295
	L 674	Inductor	CTF1306	L 739	Inductor	CTF1295
	L 675	Inductor	CTF1463	L 740	Inductor	CTF1410
	L 676	Inductor	CTF1463	L 741	Inductor	CTF1295
	L 677	Inductor	CTF1463	L 742	Inductor	CTF1295
	L 678	Inductor	CTF1463	L 744	Inductor	CTF1334
	L 679	Inductor	CTF1453	L 745	Inductor	CTF1334
	L 680	Inductor	CTF1463	L 746	Inductor	CTF1334
В	L 681	Inductor	CTF1306	L 748	Inductor	CTF1334
Ь	L 682	Inductor	CTF1357	L 749	Inductor	CTF1334
	L 683	Inductor	CTF1357	L 751	Inductor	CTF1334
	L 684	Inductor	CTF1357	L 751	Inductor	LCTA680J3225
				L 753		
	L 685	Inductor	CTF1357	L 754	Inductor	CTF1334
	1 000	la di cata a	CTF420C	1 755	la di catan	OTE4224
	L 686	Inductor	CTF1306	L 755	Inductor	CTF1334
-	L 687	Inductor	CTF1306	L 756	Inductor	CTF1306
	L 688	Inductor	CTF1357	L 757	Inductor	CTF1306
	L 689	Inductor	CTF1306	L 758	Inductor	CTF1306
	L 690	Inductor	CTF1334	L 759	Inductor	CTF1334
	L 691	Inductor	CTF1334	L 760	Inductor	CTF1334
С	L 692	Inductor	CTF1306	L 761	Inductor	LCYC2R2K1608
	L 693	Inductor	CTF1384	L 762	Inductor	LCYC2R2K1608
	L 694	Inductor	CTF1306	L 763	Inductor	LCYC2R2K1608
	L 695	Inductor	CTF1463	L 764	Inductor	LCYC2R2K1608
	L 696	Inductor	CTF1306	L 765	Inductor	LCYC2R2K1608
	L 697	Inductor	CTF1306	L 766	Inductor	LCYC2R2K1608
	L 698	Inductor	CTF1629	L 767	Inductor	CTF1334
	L 699	Inductor	CTF1334	L 768	Inductor	CTF1334
	L 700	Inductor	CTF1306	L 771	Inductor	CTF1453
	L 700	madoloi	011 1000		madotor	011 1400
	L 701	Inductor	CTF1629	L 772	Inductor	CTF1453
	L 701	Inductor	LCYC2R2K1608	L 793	Inductor	CTF1334
_	L 702		CTF1306	L 794	Inductor	CTF1306
D	L 703	Inductor Inductor	CTF1306	L 795	Inductor	CTF1306
	L 704 L 705	Inductor	CTF1306	L 796	Inductor	CTF1306
	L 705	inductor	CIFISUS	L 790	inductor	C1F1306
	L 706	laduator	CTE1206	1 004	la di ratar	CTI 14 DE 4
		Inductor	CTF1306	L 801	Inductor	CTH1254
	L 707	Inductor	CTF1306	L 802	Inductor	CTH1257
	L 708	Inductor	CTF1306	L 803	Inductor	CTH1254
-	L 709	Inductor	CTF1306	L 804	Inductor	CTH1255
	L 710	Inductor	CTF1306	L 805	Inductor	CTH1257
			0754000			OT1112-
	L 711	Inductor	CTF1306	L 806	Inductor	CTH1257
	L 712	Inductor	CTF1629	L 807	Inductor	CTH1262
	L 713	Inductor	CTF1306	L 808	Inductor	CTH1253
Ε	L 714	Inductor	CTF1306	L 809	Inductor	CTH1253
	L 715	Inductor	CTF1306	L 810	Choke Coil 100µH	CTH1315
	L 716	Inductor	CTF1306	L 811	Inductor	CTF1556
	L 717	Inductor	CTF1306	L 812	Inductor	CTF1453
	L 718	Inductor	CTF1410	L 815	Inductor	CTF1556
	L 719	Inductor	CTF1334	L 816	Inductor	CTF1306
	L 721	Inductor	CTF1306	L 817	Inductor	LCKBW1R0M2520
	L 722	Inductor	CTF1306	L 818	Inductor	LCKAW220J2520
	L 723	Inductor	CTF1306	L 981	Inductor	CTF1453
	L 723	Inductor	CTF1306	L 982	Inductor	CTF1463
	L 724 L 725	Inductor	CTF1306	L 983	Inductor	CTF1463
_	L 725	Inductor	CTF1306	L 983 L 984	Inductor	CTF1463
F	L 120	maactor	011 1300	∟ 904	HUUUUU	011 1403
	1 707	Industor	CTE1206	1 005	Inductor	CTE4.462
	L 727	Inductor	CTF1306	L 985	Inductor	CTF1463
	L 732	Inductor	CTF1295	L 2402	Inductor	CTF1306
	L 733	Inductor	CTF1295	L 2404	Inductor	LCTA2R2J2520
	154			IC-N1/UC		
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<u>Circ</u>	uit Symbol and No.	Part No.	Circuit Symbol and	No. Part No.	
L 2551	Inductor	CTF1379	R 3	RS1/16S0R0J	
L 2554	Inductor	CTF1334	R 5	RS1/16S473J	
			R 6	RS1/16S473J	Α
L 2555	Inductor	CTF1334	R 7	RS1/16S220J	
L 2601	Inductor	CTF1334	D. 0	DO4/4004701	
L 2701	Inductor	CTF1399	R 8 R 10	RS1/16S473J RS1/16S104J	
L 2702 L 2703	Inductor Inductor	CTF1334 CTF1334	R 10	RS1/165104J RAB4C473J	
L 2703	Inductor	C1F1334	R 12	RS1/16S105J	
L 2704	Inductor	CTF1306	R 13	RS1/16S151J	
L 2705	Inductor	CTF1306			
L 2706	Inductor	CTF1306	R 14	RS1/16S0R0J	
L 2707	Inductor	CTF1306	R 16	RS1/16S0R0J	
L 2708	Inductor	CTF1306	R 19	RS1/16S473J	
			R 20	RS1/16S101J	
L 2709	Inductor	CTF1306	R 21	RS1/16S101J	В
L 2710	Inductor	CTF1306	D. 00	D04/400404 I	
L 2711	Inductor	CTF1306	R 22	RS1/16S101J	
L 2712	Inductor	CTF1334	R 23	RS1/16S105J	
L 2713	Inductor	CTF1334	R 24 R 25	RS1/16S151J RS1/16S101J	
L 2714	Inductor	CTF1334	R 26	RS1/16S101J	
L 2715	Inductor(X1/EW)	CTF1334	17 20	101/1001010	
L 2716	Inductor	CTF1334	R 27	RS1/16S101J	
L 2717	Inductor	CTF1306	R 28	RS1/16S101J	
L 2800	Inductor	CTF1305	R 29	RS1/16S101J	
			R 30	RS1/16S101J	
TH601	Thermistor	CCX1056	R 31	RS1/16S101J	
X 1	Radiator 30.000MHz	CSS1633			С
X 2	Radiator 33.000MHz	CSS1634	R 32	RS1/16S473J	
X 3	Radiator 33.8688MHz	CSS1551	R 33	RS1/16S473J	
X 202	Radiator 14.31818MHz	CSS1632	R 34	RS1/16S105J	
V CO4	Dadietes 40 OM I-	0004577	R 35	RS1/16S104J	
X 601 VR751	Radiator 10.0MHz Semi-fixed 1kΩ(OB)	CSS1577 CCP1390	R 36	RS1/16S101J	
FU691	Fuse 2.5A	CEK1285	R 37	RS1/16S101J	
FU801	Fuse 1.25A	CEK1255	R 38	RS1/16S101J	_
FU802	Fuse 4A	CEK1288	R 39	RS1/16S101J	
1 0002	1 430 47 (	OLIVIZOO	R 40	RS1/16S470J	
FU803	Fuse 375mA	CEK1277	R 45	RS1/16S104J	
FU804	Fuse 2.5A	CEK1285			
FU805	Fuse 2.5A	CEK1285	R 46	RS1/16S104J	D
FU806	Fuse 1A	CEK1254	R 47	RS1/16S104J	_
FU807	Fuse 1A	CEK1280	R 48	RS1/16S104J	
			R 49	RS1/16S104J	
FU808	Fuse 4A	CEK1260	R 50	RS1/16S104J	
FU809	Fuse 2A	CEK1284	D 54	D04/40004041	
FU810	Fuse 500mA	CEK1278	R 51 R 52	RS1/16SS101J RS1/16SS101J	
FU811 FU812	Fuse 2A Fuse 250mA	CEK1284 CEK1276	R 52 R 53	RS1/16SS101J	_
10012	ruse 250IIIA	CLK1270	R 54	RS1/16SS101J	
FU813	Fuse 2.5A	CEK1285	R 55	RS1/16SS101J	
FU814	Fuse 250mA	CEK1276		121300.0.0	
FU815	Fuse 1A	CEK1280	R 57	RS1/16SS101J	
FU971	Fuse 375mA	CEK1277	R 59	RS1/16SS101J	Е
FU2701	Fuse 250mA	CEK1276	R 60	RS1/16SS101J	
			R 61	RS1/16SS0R0J	
EF731	EMI Filter	CCG1082	R 62	RS1/16SS101J	
EF732	EMI Filter	CCG1082	D. 00	D04/4000404 I	
EF733 EF734	EMI Filter EMI Filter	CCG1067 CCG1067	R 63 R 64	RS1/16SS101J RS1/16SS101J	
EF735	EMI Filter	CCG1067	R 65	RS1/16SS101J	
LF733	LIVII FIILEI	CCG1007	R 66	RS1/16SS101J	
EF736	EMI Filter	CCG1067	R 67	RS1/16SS101J	
EF801	EMI Filter	CCG1172			
EF802	EMI Filter	CCG1172	R 68	RS1/16SS101J	
EF803	EMI Filter	CCG1172	R 69	RS1/16SS101J	
			R 70	RS1/16SS101J	F
RESISTO	<u>RS</u>		R 71	RS1/16SS101J	
			R 72	RS1/16SS101J	
R 1		RS1/16S0R0J	D 70	DO4/40001011	
			R 73	RS1/16SS101J	
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	Circuit Symbol and No.	Part No.	<u>Ci</u>	rcuit Symbol and No.	Part No.
	R 74	RS1/16SS101J	R 188		RS1/16S473J
	R 75	RS1/16SS101J	R 189		RS1/16S473J
Α	R 76	RS1/16SS101J	R 190		RS1/16S473J
	R 77	RS1/16SS101J	R 191		RS1/16S473J
	R 78	RS1/16SS101J	R 192		RS1/16S473J
	R 79	RS1/16SS101J	R 193		RS1/16S473J
	R 80	RS1/16SS101J	R 194		RS1/16S390J
	R 81	RS1/16SS101J	R 196		RS1/16S473J
	R 82	RS1/16SS101J	R 201		RN1/16SE1502D
	R 84	RS1/16SS562J	R 202		RN1/16SE1202D
	R 85	RS1/16SS103J	R 210		RS1/16S104J
	R 87	RS1/16S104J	R 211		RS1/16S104J
_	R 88	RS1/16S104J	R 212		RS1/16S104J
В	R 89	RS1/16S0R0J	R 213		RS1/16S104J
	R 90	RS1/16S0R0J	R 217		RS1/16S272J
	R 93	RS1/16S153J	R 220		RS1/16S223J
	R 94	RS1/16S153J	R 221		RS1/16S105J
	R 95	RS1/16S153J	R 222		RS1/16S151J
	R 96	RS1/16S153J	R 224		RS1/16S0R0J
	D 07	D04/400 :== :	_		DO. (1000 10 10
	R 97	RS1/16S473J	R 225		RS1/16S104J
	R 98	RS1/16S473J	R 226		RS1/16S104J
	R 101 R 102	RS1/16S473J RS1/16S473J	R 227 R 228		RS1/16S104J RS1/16S104J
	R 102 R 103	RS1/16S473J	R 220 R 229		RS1/16S104J RS1/16S560J
С	K 103	1004700	17 229		131/100000
C	R 104	RS1/16S220J	R 230		RS1/16S104J
	R 151	RS1/16S0R0J	R 232		RS1/16S104J
	R 152	RS1/16S0R0J	R 237		RS1/16S104J
	R 153	RS1/16S471J	R 238		RS1/16S330J
	R 154	RS1/16S473J	R 240		RS1/16S104J
	D 455	D04/4004704	D 004		D04/4004004
-	R 155	RS1/16S473J	R 301		RS1/16S123J
	R 156	RS1/16S473J	R 302 R 303		RS1/16S103J RS1/16S473J
	R 157 R 158	RS1/16S473J RS1/16S473J	R 303 R 320		RS1/16S473J RS1/16S103J
	R 159	RS1/16S473J	R 329		RS1/16SS821J
			525		
D	R 160	RS1/16S473J	R 330		RS1/16SS221J
_	R 161	RS1/16S103J	R 331		RS1/16SS221J
	R 162	RS1/16S473J	R 332		RS1/16SS472J
	R 163	RS1/16S560J	R 333		RS1/16SS222J
	R 164	RS1/16S473J	R 334		RS1/16SS222J
	D 165	DC1/16C472 I	R 335		DC1/16CC001 I
	R 165 R 166	RS1/16S473J RS1/16S473J	R 335 R 336		RS1/16SS221J RS1/16SS221J
	R 167	RS1/16S473J	R 349		RS1/16S473J
	R 169	RS1/16S473J	R 350		RS1/16S473J
	R 170	RS1/16S473J	R 356		RS1/16S0R0J
	R 171	RS1/16S473J	R 360		RS1/16SS473J
Е	R 172	RS1/16S473J	R 361		RS1/16SS473J
	R 174	RS1/16S473J	R 362		RS1/16SS473J
	R 175	RS1/16S473J	R 363		RS1/16SS473J
	R 176	RS1/16S0R0J	R 364		RS1/16SS473J
	R 177	RS1/16S473J	R 365		RS1/16SS473J
	R 178	RS1/16S473J	R 366		RS1/16SS473J
	R 179	RS1/16S473J	R 367		RS1/16SS473J
	R 180	RS1/16S101J	R 368		RS1/16SS473J
	R 181	RS1/16S473J	R 369		RS1/16SS473J
			_		
	R 182	RS1/16S473J	R 370		RS1/8S0R0J
_	R 183	RS1/16S473J	R 601		RS1/16S1803D
F	R 184	RS1/16S473J	R 602		RS1/16SS473J
	R 185 R 186	RS1/16S473J RS1/16S473J	R 603 R 604		RS1/16SS473J RS1/16SS0R0J
	1. 100	1101/1004/30	r\ 004		NO 1/ 10000R0J
	R 187	RS1/16S473J	R 606		RAB4C681J
	156		AVIC-N1/UC		-
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Circuit Symbol and No.	Part No.	Circuit Syml	bol and No. Part No.	
R 607	RS1/16SS473J	R 693	RS1/16S681J	
R 608	RS1/16S563J	R 694	RS1/16S681J	
R 609	RS1/16S104J	R 695	RS1/16S681J	Α
R 610	RS1/16S473J	R 696	RS1/16S681J	
R 611	RS1/16S472J	R 697	RS1/16S681J	
R 614 (N1/UC)	RS1/16SS473J	R 711	RS1/16S102J	
R 615 (X1/EW)	RS1/16SS473J	R 712	RS1/16S472J	
R 616	RS1/16SS681J	R 715	RS1/16S472J	
R 617	RS1/16S0R0J	R 716	RS1/16S153J	_
R 618	RS1/16SS473J	R 730	RS1/16S0R0J	
R 620	RS1/16SS473J	R 732	RS1/16S102J	
R 622	RS1/16SS473J	R 733	RS1/16S102J	
R 623	RAB4C681J	R 734	RS1/16S102J	
R 625	RS1/16S473J	R 735	RS1/16S102J	В
R 626	RAB4C681J	R 736	RS1/16S0R0J	
R 627	RS1/16SS473J	R 737	RS1/16S102J	
R 628	RS1/16SS473J	R 738	RS1/16S681J	
R 629	RS1/16SS473J	R 739	RS1/16S681J	
R 631	RS1/16S681J	R 751	RS1/16SS101J	_
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R 632	RS1/16SS473J	R 752	RS1/16SS101J	
R 633	RS1/16SS473J	R 753	RS1/16SS101J	
R 634	RS1/16S473J	R 754	RS1/16S222J	
R 636	RS1/16S473J	R 755	RS1/16S222J	
R 637	RS1/16S473J	R 756	RS1/16S103J	С
R 640	RS1/16SS101J	R 757	RS1/16S272J	_
R 641	RS1/16SS473J	R 758	RS1/16S272J	
R 642	RS1/16SS681J	R 759	RS1/16S0R0J	
R 643	RS1/16SS681J	R 760	RS1/16S301J	
R 644	RS1/16SS681J	R 761	RS1/16S1000D	
R 645	RS1/16SS681J	R 762	RN1/16SE2002D	
R 646	RAB4C681J	R 763	RS1/16S473J	
R 648	RS1/16SS681J	R 764	RS1/16S75R0D	
R 649	RS1/16SS681J	R 765	RS1/16S75R0D	
R 650	RS1/16SS104J	R 766	RS1/16S75R0D	
R 651	RS1/16S681J	R 767	RS1/16S750J	D
R 653	RS1/16S2003F	R 768	RS1/16S62R0D	D
R 654	RS1/16SS473J	R 769	RS1/16S105J	
R 655	RS1/16SS681J	R 770	RS1/16S101J	
R 657	RS1/16S104J	R 772	RS1/16S105J	
R 658	RS1/16SS101J	R 773	RS1/16S750J	_
R 659	RAB4C681J	R 774	RS1/16S101J	
R 660	RS1/16SS104J	R 776	RS1/16S750J	
R 661	RS1/16SS681J	R 777	RS1/16S750J	
R 662	RS1/16SS681J	R 778	RS1/16S681J	
R 663	RS1/16SS681J	R 779	RS1/16S302J	
R 664	RS1/16SS681J	R 780	RS1/16S102J	Е
R 665	RAB4C681J	R 781	RS1/16S0R0J	_
R 666	RAB4C681J	R 782	RS1/16S105J	
R 667	RS1/16SS681J	R 783	RS1/16S105J	
R 668	RS1/16S104J	R 784	RS1/16S105J	
R 670	RS1/16SS103J	R 785	RS1/16S105J	_
R 671	RS1/16SS103J	R 794	RS1/16S563J	
R 672	RS1/16SS681J	R 795	RS1/16SS102J	
R 673	RS1/16SS102J	R 796	RS1/16S563J	
R 674	RS1/16SS102J	R 805	RS1/16S151J	
R 675	RS1/16SS681J	R 806	RS1/16S151J	
R 676	RS1/16SS681J	R 807	RS1/16S470J	F
R 687	RS1/16S470J	R 808	RS1/16S103J	
R 691	RS1/16S471J	R 810	RS1/16S0R0J	
R 692	RS1/16S471J	R 812	RS1/16S470J	
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	Circuit Symbol and No.	Part No.	(	Circuit Symbol and No.	Part No.
	R 813	RS1/16S0R0J	R 892		RS1/16S6800D
	R 814	RS1/16S0R0J	R 893		RS1/8S102J
Α	R 817	RS1/16S103J RS1/8S181J	R 894 R 895		RS1/16S471J
	R 819	K51/85181J	K 895		RS1/8S102J
	R 820	RS1/8S181J	R 896		RS1/16S103J
	R 821	RS1/16S103J	R 901		RS1/16S224J
	R 824 R 825	RS1/16S0R0J RS1/10S360J	R 902 R 903		RS1/16S473J RS1/16S223J
	R 826	RS1/10S360J	R 903		RS1/16S223J
	R 827	RS1/16S103J	R 905		RS1/10S472J
	R 829 R 830	RS1/16S475J RS1/16S101J	R 906 R 911		RS1/16S223J RS1/16S474J
	R 831	RS1/16S161010 RS1/16S1600D	R 912		RS1/16S474J RS1/16S472J
В	R 832	RS1/16S5601D	R 913		RS1/16S102J
	R 833 R 834	RS1/16S1001D RS1/16S331J	R 914 R 915		RS1/16S473J RS1/16S473J
	R 835	RS1/16S331J RS1/16S154J	R 916		RS1/16S473J RS1/16S473J
	R 836	RS1/16S3300D	R 917		RS1/16S0R0J
_	R 837	RS1/16S101J	R 918		RS1/16S471J
	D 000	DC4/4000004D	D 040		DC4/40047F1
	R 838 R 839	RS1/16S3001D RS1/16S1001D	R 919 R 920		RS1/16S475J RS1/16S101J
	R 840	RS1/16S102J	R 921		RS1/16S103J
	R 841	RS1/16S104J	R 922		RS1/16S0R0J
	R 842	RS1/16S6800D	R 925		RS1/16S102J
С	R 843	RS1/16S5601D	R 926		RS1/16S103J
	R 844	RS1/16S1001D	R 927		RS1/16S471J
	R 845	RS1/16S101J	R 928		RS1/16S103J
	R 846	RS1/16S102J	R 929		RS1/10S103J
	R 847	RS1/16S5600D	R 936		RS1/16S820J
	R 848	RS1/16S2401D	R 937		RS1/16S820J
	R 849	RS1/16S101J	R 938		RS1/16S561J
	R 850	RS1/16S1601D	R 939		RS1/16S0R0J
	R 851 R 852	RS1/16S152J RS1/16S1200D	R 940 R 941		RS1/16S0R0J RS1/16S0R0J
	11 332	1101/10012002			1101/10001100
D	R 853	RS1/16S1001D	R 942		RS1/16S0R0J
	R 854	RS1/16S104J	R 943 R 944		RS1/16S0R0J
	R 855 R 856	RS1/16S101J RS1/16S1001D	R 944 R 945		RS1/16S104J RS1/16S104J
	R 857	RS1/16S152J	R 946		RS1/16S4701D
	R 858 R 859	RS1/16S100J RS1/16S184J	R 952 R 954		RS1/16S473J RS1/16S103J
	R 861	RS1/10S104J	R 962		RS1/16S103J
	R 865	RS1/16S100J	R 971		RS1/16S824J
	R 866	RS1/16S104J	R 972		RS1/16S102J
	R 867	RS1/16S473J	R 973		RS1/16S472J
Е	R 868	RS1/16S473J RS1/16S100J	R 973		RS1/165472J RS1/8S271J
_	R 869	RS1/16S104J	R 975		RS1/8S751J
	R 870	RS1/16S473J	R 977		RS1/16S103J
	R 873	RS1/10S150J	R 978		RS1/16S103J
	R 874	RS1/16S224J	R 979		RS1/10S0R0J
_	R 875	RS1/16S224J	R 981		RS1/10S0R0J
	R 876	RS1/10S150J	R 982		RS1/10S0R0J
	R 877	RS1/10S150J	R 983		RS1/10S102J
	R 878	RS1/16S224J	R 2403	3	RS1/16S102J
	R 879	RS1/16S224J	R 2404	1	RS1/16S473J
	R 880	RS1/10S150J	R 2407		RS1/16SS473J
F	R 884	RS1/4S561J	R 2409		RS1/16S473J
	R 885 R 886	RS1/4S561J RS1/16S103J	R 2410 R 2411		RS1/16SS473J RS1/16S473J
			1. 2711		
	R 891	RS1/16S1101D	R 2416	3	RS1/16SS473J
_	158		VIC-N1/UC	<u> </u>	4
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Circuit Symbol and No.	Part No.	Circuit Symbol and No.	Part No.	
R 2417	RS1/16S104J	R 2503	RS1/16S101J	
R 2418	RS1/16S102J	R 2551	RS1/16SS101J	
R 2419	RS1/16SS473J	R 2552	RS1/16SS621J	Α
R 2420	RS1/16S473J	R 2553	RS1/16SS473J	
R 2421	RS1/16S473J	R 2555	RS1/16SS361J	
R 2422	RS1/16S473J	R 2556	RS1/16S473J	
R 2423	RS1/16SS473J	R 2557	RS1/16S473J	
R 2424	RS1/16S473J	R 2558	RS1/16SS473J	
R 2425	RS1/16S473J	R 2566	RS1/16SS101J	_
R 2426	RS1/16SS473J	R 2567	RS1/16SS101J	
R 2428	RS1/16S0R0J	R 2568	RS1/16SS101J	
R 2432	RS1/16S473J	R 2569	RS1/16S102J	
R 2433	RS1/16S473J	R 2570	RS1/16S0R0J	
R 2438	RS1/16S181J	R 2571	RS1/16S224J	В
R 2439	RS1/16S331J	R 2572	RS1/16S224J	
R 2440	RS1/16S181J	R 2602	RS1/8S0R0J	
R 2441	RS1/16S223J	R 2603	RS1/16S102J	
R 2444	RS1/16S223J	R 2604	RS1/16S102J	
R 2445	RS1/16S102J	R 2606	RS1/16S683J	_
R 2446	RS1/16S102J	R 2608	RS1/16S153J	
R 2446 R 2447	RS1/16S102J	R 2610	RS1/16S153J RS1/16S0R0J	
R 2447 R 2448	RS1/16S104J	R 2612	RS1/16S0R0J RS1/16S752J	
R 2446 R 2449	RS1/16S473J	R 2613	RS1/16S/52J	
R 2450	RS1/16S473J	R 2615	RS1/16S394J	
				С
R 2451	RS1/16S152J	R 2616	RS1/16S101J	
R 2452	RS1/16S101J	R 2617	RS1/16S105J	
R 2459	RS1/16S0R0J	R 2618	RS1/16S102J	
R 2460	RS1/16S104J	R 2619	RS1/16S472J	
R 2461	RS1/16S1202D	R 2620	RS1/16S152J	_
R 2462	RS1/16S1003D	R 2621	RS1/16S472J	
R 2463	RS1/16S0R0J	R 2622	RS1/16S472J	
R 2464	RS1/16S0R0J	R 2623	RS1/16S472J	
R 2465	RS1/16SS0R0J	R 2624	RS1/16S333J	
R 2470	RS1/16S0R0J	R 2625	RS1/16S683J	
R 2471	RS1/16S0R0J	R 2626	RS1/16S154J	D
R 2472	RS1/16S331J	R 2627	RS1/16S101J	ט
R 2473	RS1/16S331J	R 2628	RS1/16S103J	
R 2474	RS1/16S101J	R 2629	RS1/16S103J	
R 2475	RS1/16S104J	R 2630	RS1/16S473J	
R 2476	RS1/16S104J	R 2631	RS1/16S473J	
R 2478	RS1/16S472J	R 2701	RS1/16S222J	
R 2479	RS1/16S472J	R 2702	RS1/16S222J	
R 2480	RS1/16S472J	R 2706	RS1/16S222J	
R 2481	RS1/16S472J	R 2707	RS1/16S102J	
R 2482	RS1/16S472J	R 2708	RS1/16S102J	
R 2483	RS1/16S472J	R 2710	RS1/16S102J	Е
R 2484	RS1/16S472J	R 2711	RS1/16S102J	
R 2485	RS1/16S472J	R 2712	RS1/16S103J	
R 2486	RS1/16S472J	R 2715	RS1/16S223J	
R 2487	RS1/16S472J	R 2716	RS1/16S223J	
R 2488	RS1/16S471J	R 2717	RS1/16S472J	_
R 2489	RS1/16S471J	R 2718	RS1/16S103J	_
R 2492	RS1/16S223J	R 2719	RS1/16S223J	
R 2493	RS1/16S473J	R 2720	RS1/16S472J	
R 2496	RS1/16S103J	R 2721	RS1/16S223J	
R 2497	RS1/4S102J	R 2722	RS1/16S472J	
R 2499	RS1/16S103J	R 2723 (X1/EW)	RS1/16S223J	F
R 2500	RS1/16S103J	R 2724 (X1/EW)	RS1/16S472J	
R 2501	RS1/16S221J	R 2725 (X1/EW)	RS1/16S103J	
R 2502	RS1/16S102J	R 2726 (X1/EW)	RS1/16S223J	
■ 5 ■	6	AVIC-N1/UC	8	159
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	Circuit Symbol and No.  R 2727 (N1/UC)	<u>Part No.</u> RS1/16S0R0J	Circuit Symbol and No.	Part No.
	R 2729 (X1/EW)	RS1/16S472J	C 44	CKSRYB104K16
	R 2730	RS1/16S471J	C 47	CKSRYB104K16
Α	R 2731	RS1/16S471J	C 49	CKSRYB104K16
	K 2/31	K31/1034/13	C 51	CKSRYB224K10
	R 2732	RS1/16S332J	C 54	CCSRCH121J50
	R 2733	RS1/16S332J	0 04	0001011121000
	R 7021	RS1/16S820J	C 55	CKSRYB104K16
	R 7037	RS1/16S101J	C 57	CKSRYB104K16
	R 7038	RS1/16S101J	C 60	CKSRYB104K16
			C 63	CKSRYB104K16
	R 7039	RS1/16S750J	C 64	CKSRYB104K16
	R 7042	RS1/16S4701D		
	R 7043	RS1/16S4701D	C 66	CKSRYB104K16
	R 7044	RS1/16S101J	C 67 10µF	CCG1171
В	R 7045	RS1/16S102J	C 68 22µF	CCG1178
			C 69 22µF	CCG1178
	R 7046	RS1/16S4701D	C 70 22µF	CCG1178
	R 7047	RS1/16S4701D		
	R 7048	RS1/16S563J	C 71	CKSRYF103Z50
	R 7049	RS1/16S473J	C 72	CKSRYF103Z50
	O A DA OLTO DO		C 73	CKSRYF104Z25
-	<u>CAPACITORS</u>		C 74	CKSRYF104Z25
			C 75	CKSRYF104Z25
	C 1	CKSRYB104K16	C 76	CK6D/\D400\\co
	C 2	CKSRYB104K16	C 76 C 77	CKSRYB103K50
	C 3	CKSRYB104K16	C 78	CKSRYB103K50 CKSRYB103K50
_	C 4	CKSRYB104K16	C 78	CKSRYB103K50
С	C 5	CKSRYB104K16	C 80	CKSRYB103K50
	0.6	CKSDVB104K16	C 60	CNONTETOSNO
	C 6 C 7	CKSRYB104K16 CKSRYB104K16	C 81	CKSRYB224K10
	C 7	CKSRYB104K16	C 82	CKSRYB103K50
	C 9	CKSRYB104K16	C 96	CKSRYB224K10
	C 10	CKSRYB104K16	C 97	CKSRYB224K10
	C 10	CRSRT B104R10	C 98	CKSRYB224K10
	C 11	CKSRYB104K16		
	C 12 10µF	CCG1171	C 101	CKSRYB104K16
	C 13	CKSRYB104K16	C 102	CKSRYB104K16
	C 14	CKSRYB104K16	C 103	CKSRYB104K16
	C 15	CKSRYB104K16	C 104	CKSRYB104K16
D			C 105	CKSRYB104K16
	C 16	CKSRYB104K16		
	C 17	CKSRYB104K16	C 106	CKSRYB104K16
	C 18	CCSRCH100D50	C 107	CKSRYB104K16
	C 19	CCSRCH100D50	C 108 C 109	CKSRYB104K16
	C 20	CKSRYB104K16		CKSRYB104K16 CCG1171
	C 24	CIZODVD404IZ40	C 110 10µF	0001171
	C 21	CKSRYB104K16 CKSRYB104K16	C 111	CKSRYB104K16
	C 22 C 23	CKSRYB104K16 CKSRYB104K16	C 112	CKSRYF224Z16
	C 23 C 24	CKSRYB104K16	C 113 10µF	CCG1171
	C 25	CKSRYB104K16	C 114	CKSRYB104K16
	3 20	SKOKIDIOTKIO	C 115	CKSRYF224Z16
Ε	C 26	CKSRYB104K16		
	C 27 10µF	CCG1171	C 116	CKSRYF104Z25
	C 28	CKSRYB104K16	C 117 10µF	CCG1171
	C 29	CKSRYB104K16	C 118	CKSRYB104K16
	C 30	CKSRYF104Z25	C 119	CKSRYF104Z25
			C 120	CKSRYF104Z25
	C 31	CCSRCH9R0D50	0.404	01/05//5/2:525
_	C 32	CCSRCH9R0D50	C 121	CKSRYF104Z25
	C 33	CKSRYB104K16	C 122	CKSRYF104Z25
	C 35	CKSRYB104K16	C 123 C 124	CKSRYF103Z50
	C 36	CKSRYB104K16	C 124 C 125	CCSRCH101J50 CKSRYF104Z25
	0.20	0004474	G 120	UNUR 1 F 104Z20
F	C 38 10µF	CCG1171 CKSRYB104K16	C 126	CKSRYF104Z25
	C 39 C 40		C 201	CKSRYB104K16
	C 40 C 41	CKSRYB104K16 CKSRYB104K16	C 202	CKSRYB104K16
	C 41 C 42	CKSRYB104K16	C 203	CKSRYB104K16
	V 7L	SKOKI DIOTKIO	C 204	CKSRYB104K16
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Circuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
C 205 C 206 C 207 C 208 C 209	CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16	C 331 C 332 C 339 C 341 C 342	10μF	CKSRYB104K16 CKSRYB104K16 CCG1171 CCSRCH101J50 CKSRYF104Z25	А
C 211 C 213 C 214 C 215 C 216	CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16			CKSRYF103Z50 CKSRYF104Z25 CKSRYF103Z50 CKSRYF103Z50 CKSRYF104Z25	•
C 217 C 220 10µF C 221 C 222 C 223	CKSRYB104K16 CCG1171 CKSRYB104K16 CKSRYB104K16 CKSRYB224K10			CKSRYF103Z50 CKSRYB104K16 CKSSYB104K10 CKSSYB104K10 CKSSYB104K10	В
C 224 C 225 C 227 C 228 C 230	CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CCSRCH150J50			CKSSYB104K10 CKSSYB104K10 CKSRYB104K16 CKSSYB104K10 CKSSYB104K10	•
C 231 C 232 C 233 C 234 C 235	CCSRCH120J50 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16	C 609 C 610 C 611 C 612 C 617		CKSRYB104K16 CKSSYB104K10 CKSSYB104K10 CKSSYB104K10 CKSQYB225K10	С
C 237 C 238 C 239 C 240 C 241	CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16	C 620 C 623 C 624 C 626 C 630		CKSRYF104Z25 CKSSYB104K10 CKSRYF104Z25 CKSSYB103K16 CCSRCH101J50	•
C 242 C 243 C 244 C 245 C 246	CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16	C 636 C 637 C 638 C 639 C 640		CKSRYF104Z25 CKSRYF104Z25 CKSRYF104Z25 CKSRYF104Z25 CKSRYF104Z25	D
C 247 C 248 C 249 10µF C 250 10µF C 251 10µF	CKSRYB104K16 CKSRYB104K16 CCG1171 CCG1171 CCG1171	C 642 C 643 C 644 C 645 C 647	10μF 10μF	CKSRYF104Z25 CKSRYF104Z25 CKSRYF104Z25 CCG1173 CCG1173	
C 252 10µF C 253 C 255 C 256 C 257	CCG1171 CKSRYF104Z25 CKSRYB103K50 CKSRYB103K50 CKSRYB103K50	C 648 C 670 C 671 C 672 C 673		CKSRYF104Z25 CKSSYB104K10 CKSSYB104K10 CKSSYB104K10 CKSSYB104K10	
C 258 C 259 C 260 C 261 C 262	CKSRYB103K50 CKSRYB103K50 CKSRYB103K50 CKSRYB103K50 CKSRYB103K50	C 675 C 691 C 692 C 693 C 694		CKSSYB104K10 CKSRYB102K50 CKSRYB104K16 CKSQYB105K16 CKSQYB105K16	E
C 301 C 302 C 303 C 306 C 323 10µF	CKSRYF104Z25 CKSRYB334K10 CKSRYF104Z25 CKSRYF104Z25 CCG1171	C 695 C 696 C 697 C 698 C 699		CKSQYB105K16 CKSRYB102K50 CKSQYB105K16 CKSQYB105K16 CKSRYB102K50	•
C 324 C 327 10µF C 328 C 329 10µF C 330 10µF	CKSRYB104K16 CCG1171 CKSRYB104K16 CCG1171 CCG1171	C 700 C 701 C 702 C 706 C 732		CKSRYB102K50 CKSRYB102K50 CKSRYB102K50 CKSRYB104K25 CKSRYB102K50	F
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	Circuit Symbol and No.	Part No.	Circuit Symbol and No.	Part No.
Α	C 733	CKSRYB102K50	C 803	CKSQYB225K10
	C 734	CKSRYB102K50	C 804	CEVW101M16
	C 735	CKSRYB102K50	C 805	CKSRYB103K50
	C 736	CKSRYF104Z25	C 806	CKSRYB103K50
	C 737	CKSRYF104Z25	C 807	CEVW470M16
	C 738	CKSRYF104Z25	C 808	CKSRYF334Z16
	C 739	CKSRYF104Z25	C 809	CKSRYB103K50
	C 740	CKSRYF104Z25	C 810	CEVW101M16
	C 741	CKSRYF104Z25	C 811	CKSRYF104Z25
	C 748	CKSSYB103K16	C 812	CKSRYB103K50
В	C 749	CKSQYB225K10	C 813	CEVW101M16
	C 751	CKSRYB104K16	C 814	CEVW101M16
	C 752	CKSRYB104K16	C 815	CKSRYB103K50
	C 753	CKSRYB104K16	C 816	CEVW101M16
	C 754	CCSRCH5R0C50	C 817	CKSRYB473K50
	C 755	CCSRCH470J50	C 818	CKSRYB103K50
	C 756	CKSRYF104Z25	C 819	CCSRCH101J50
	C 757	CEVQ470M16	C 820	CKSRYB224K16
	C 758	CKSRYB105K6R3	C 821	CKSRYB473K50
	C 761	CCSRCH220J50	C 822	CCSRCH101J50
С	C 762	CEVW100M16	C 823	CKSRYB104K16
	C 763	CKSRYF104Z25	C 824	CKSRYB223K50
	C 764	CEVW221M4	C 825	CCSRCH101J50
	C 765	CEVW221M4	C 826	CKSRYB104K16
	C 766	CEVW221M4	C 827	CKSRYB153K50
	C 767 330µF/6.3V	CCH1410	C 828	CCSRCH101J50
	C 768	CKSRYB105K6R3	C 829	CKSRYB104K16
	C 769	CEVQ470M16	C 830	CKSRYB153K50
	C 770	CKSRYB104K16	C 831	CCSRCH101J50
	C 771	CKSRYB104K16	C 832	CKSRYB104K25
D	C 772	CEVW101M16	C 833	CCSRCH330J50
	C 773	CKSQYB225K10	C 834	CKSRYB105K10
	C 774	CKSQYB225K10	C 835 4.7µF	CCG1111
	C 775	CKSRYB103K50	C 836	CKSRYF104Z25
	C 776	CKSQYB225K10	C 837	CKSYB475K16
	C 777	CEVW101M16	C 838	CKSRYF474Z16
	C 778	CEVW220M6R3	C 839 220μF/10V	CCH1409
	C 779	CKSYF106Z10	C 840 10μF	CCG1173
	C 780	CKSQYB225K10	C 841 4.7μF	CCG1111
	C 781	CKSQYB225K10	C 842	CKSRYB103K50
-	C 782	CKSRYB104K16	C 843	CCSRCH470J50
	C 783	CEVW101M16	C 844	CKSRYB105K10
	C 784	CKSRYB103K50	C 845	CKSRYB103K50
	C 785	CKSQYB225K10	C 846 4.7μF	CCG1111
	C 786	CEVW101M16	C 847	CKSRYB103K50
Е	C 787	CEVW220M6R3	C 848	CCSRCH470J50
	C 788	CKSRYB104K16	C 849	CKSRYB105K10
	C 790	CKSRYB104K16	C 850	CKSRYB103K50
	C 791	CKSYF106Z10	C 851 10µF	CCG1173
	C 792	CKSRYB104K16	C 852 4.7µF	CCG1111
	C 793	CKSYF106Z10	C 853	CKSRYF474Z16
	C 794	CKSYF106Z10	C 854	CKSRYF104Z25
	C 795	CKSQYB225K10	C 855	CKSRYF104Z25
	C 796	CKSQYB225K10	C 856	CKSRYF474Z16
	C 797 10µF	CCG1171	C 857	CKSYB475K16
F	C 798	CKSRYB104K16	C 858	CKSRYF474Z16
	C 799	CKSRYB104K16	C 859	CKSRYF104Z25
	C 800	CKSRYB104K16	C 860	CKSRYF104Z25
	C 801	CKSRYB103K50	C 861	CKSRYF474Z16
	C 802	CEVW101M16	C 862	CKSYB475K16
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Circ	cuit Symbol and No.	Part No.	Circu	uit Symbol and No.	Part No.	
C 863 C 865 C 868 C 869 C 870	10μF 4.7μF 330μF/6.3V 4.7μF	CKSRYF104Z25 CCG1173 CCG1111 CCH1366 CCG1111	C 964 C 971 C 972 C 973 C 974		CKSRYB105K10 CKSRYB222K50 CKSRYB474K10 CKSQYB105K16 CKSQYB103K50	А
C 871 C 872 C 873 C 875 C 876	220µF/10V 10µF 10µF 4.7µF 330µF/6.3V	CCH1409 CCG1173 CCG1173 CCG1111 CCH1366	C 975 C 981 C 982 C 983 C 984		CEVQ470M16 CKSRYB103K50 CKSRYF104Z25 CKSRYB103K50 CKSRYF104Z25	•
C 877 C 878 C 879 C 880 C 881	4.7μF 330μF/6.3V 220μF/25V 2200μF/16V	CCG11111 CCH1366 CCH1356 CKSQYB104K16 CCH1405	C 985 C 986 C 987 C 988 C 989		CKSRYB103K50 CKSRYF104Z25 CKSRYB103K50 CKSRYF104Z25 CKSRYB103K50	В
C 882 C 883 C 884 C 885 C 887		CEVW101M16 CKSRYB103K50 CEVW101M16 CKSRYF104Z25 CKSRYF104Z25	C 990 C 2019 C 2404 C 2407 C 2412		CKSRYF104Z25 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16 CEVW101M16	•
C 888 C 889 C 890 C 891 C 892		CKSRYB103K50 CKSRYB103K50 CKSRYF104Z25 CKSRYF104Z25 CKSRYB103K50	C 2413 C 2414 C 2418 C 2419 C 2420		CKSRYB105K10 CKSRYB105K10 CKSRYB105K6R3 CCSRCH330J50 CCSRCH330J50	С
C 893 C 894 C 895 C 896 C 897		CEVW101M16 CKSRYB103K50 CKSRYB104K16 CKSRYB103K50 CEVW101M16	C 2421 C 2422 C 2423 C 2424 C 2425		CKSRYB103K50 CCSRCH151J50 CCSRCH151J50 CCSRCH221J50 CCSRCH330J50	•
C 898 C 899 C 900 C 901 C 902	220µF/25V	CKSQYB104K16 CCH1356 CKSQYB104K16 CKSRYB103K50 CEVW101M16	C 2426 C 2431 C 2432 C 2433 C 2434		CCSRCH330J50 CCSRCH471J50 CKSRYF104Z25 CEVQ220M16 CKSRYB105K6R3	D
C 903 C 905 C 906 C 907 C 908	10000μF/16V	CCH1412 CEVW101M16 CKSRYB104K16 CKSRYB473K50 CKSRYF103Z50	C 2435 C 2436 C 2437 C 2441 C 2442		CKSRYB105K6R3 CKSRYB105K6R3 CKSRYB102K50 CKSRYB105K6R3 CKSRYB105K6R3	
C 909 C 910 C 914 C 916 C 918		CKSRYF104Z25 CKSRYB104K25 CKSRYF104Z25 CKSQYB104K25 CKSRYB103K50	C 2443 C 2444 C 2445 C 2446 C 2447	47μF/16V	CKSRYB105K6R3 CKSRYB105K6R3 CCH1413 CKSRYB105K6R3 CKSRYB104K16	_
C 919 C 920 C 950 C 951 C 953	4.7μF 4.7μF 4.7μF	CKSRYB104K25 CKSRYF104Z25 CCG1111 CCG1111 CCG1111	C 2448 C 2449 C 2450 C 2451 C 2452		CKSRYB105K6R3 CKSRYB105K6R3 CEVQ220M16 CKSRYF104Z25 CKSRYB105K6R3	E
C 954 C 955 C 956 C 957 C 958	10µF 4.7µF 10µF 10µF 4.7µF	CCG1173 CCG1111 CCG1173 CCG1173 CCG1111	C 2453 C 2456 C 2457 C 2458 C 2459		CKSYB475K16 CKSYB475K16 CKSYB475K16 CKSYB475K16 CKSYB475K16	•
C 959 C 960 C 961 C 962 C 963	10μF 4.7μF	CCG1173 CCG1111 CKSRYF104Z25 CKSRYB103K50 CKSRYB104K25	C 2460 C 2461 C 2462 C 2463 C 2464		CKSYB475K16 CKSRYB332K50 CKSYB475K16 CKSYB475K16 CKSRYB474K10	F
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	Circ	cuit Symbol and No.	Part No.		Circ	cuit Symbol	and No.	Part No.
	C 2465		CKSRYB104K16	C	2610			CEVQ220M16
Α	C 2466		CKSRYB104K16	C	2611			CKSRYB105K6R3
	C 2467		CKSRYB104K16		2612			CKSRYB474K10
	C 2468		CCSRCH100D50		2613			CCSRCH471J50
	C 2469		CKSRYB104K16	C	2614			CCSRCH680J50
	C 2470 C 2471		CCSRCH100D50 CKSRYB104K16		2615			CKSRYB105K6R3
	C 2471		CCSRCH100D50		2616 2617			CKSRYB105K6R3 CKSRYB104K16
	C 2473		CKSRYB104K16		2618			CKSRYF104Z25
	C 2474		CCSRCH100D50		2621			CKSSYF104Z16
	C 2475		CCSRCH100D50		2637			CKSQYB105K10
	C 2476		CCSRCH100D50		2704			CKSRYB104K16
В	C 2477		CKSRYB105K6R3		2705			CKSRYB103K50
	C 2478 C 2479		CKSRYB105K6R3 CEVW101M16		2706 2707			CKSRYB104K16 CKSRYF104Z25
	C 2480	10µF/16V	CCH1442	C	2708			CKSRYB104K16
	C 2481	. op., , . o v	CEVW101M16		2709			CKSRYB104K16
	C 2482		CKSRYB222K50		2710	(X1/EW)		CKSRYB104K16
	C 2483	10μF	CCG1138	C	2711	, ,		CKSRYF104Z25
	C 2484		CKSRYB105K6R3	C	2712			CKSRYB102K50
i	C 2485	10μF	CCG1138		2713	(X1/EW)		CKSRYB104K16
	C 2486		CKSRYB105K6R3		7007			CKSRYF104Z25
	C 2487		CCSRCH101J50		7014			CKSYB106K6R3
С	C 2488 C 2489		CCSRCH101J50		7015 7017			CKSYB106K6R3
	C 2469		CKSRYB104K16					CCSRCK1R0C50
	C 2490		CCSRCH101J50		7018			CKSRYB105K10
	C 2491		CCSRCH101J50		7019			CKSYF106Z10
	C 2492	40 5/40)/	CKSRYB104K16		7020			CKSRYB104K16
	C 2493 C 2494	10μF/16V	CCH1442 CKSRYB105K10		7021 7078			CCSRCH102J50 CKSRYB104K16
	C 2495		CKSRYB105K10	C	7092			CKSRYB104K16
	C 2496		CKSRYB105K10		_			
	C 2497 C 2498		CKSRYB105K10 CKSRYB105K10		2			
D	C 2499		CKSRYB105K10			mher:CW	X2929(A	VIC-X1/EW)
D	0 2.00		0.10.1.2.00.1.0					
	C 2500		CKSRYB105K10				•	VIC-N1/UC)
	C 2501		CKSRYB105K10	U	nit Na	me:GPS l	Jnit	
	C 2503	2200μF/16V	CCH1405					
_	C 2504 C 2505	10μF	CCG1138 CKSRYB104K25	<u>M</u>	ISCELL	<u> ANEOUS</u>		
	_			IC	C 401	IC		UPC2749T
	C 2506	10μF/16V	CCH1442	IC	C 402	IC		UPB1027GS
	C 2507		CKSYB475K16		C 441	IC		NJM2100V
	C 2508 C 2509	22	CKSYB475K16		C 461	IC		ADC12H034CIMSA
	C 2510	33μF/25V	CCH1444 CKSRYB473K50	IC	C 501	IC		PD3390A
Ε	C 2519		CKSRYF104Z25	IC	C 502	IC(X1/EW)		PD6472A
	C 2552		CCSRCH150J50	10	C 503	IC(N1/UC) IC		PD6473A M5M5V216ATP-70HI
	C 2553		CKSRYB104K16		503 C 504	IC IC		MAX6364PUT29
	C 2554		CKSQYB225K10		C 532	IC(X1/EW)		LC72720YVS
	C 2555		CKSSYB104K10					
	C 2556		CKSSYB104K10		441 401	Transistor		2SB1132
	C 2557		CKSSYB103K16		501	Diode Diode		1SV314 RB751V40
	C 2558		CKSRYB103K50		401	Inductor		CTF1549
	C 2603 C 2604		CEVQ220M16 CKSRYB473K50		402	Inductor		CTF1486
				L	403	Inductor		CTF1486
F	C 2605		CKSRYB473K50		404	Inductor		LCSA3N3R1608
	C 2606		CKSRYB333K50	L	405	Inductor		LCYB22NJ1608
	C 2607		CKSRYB105K6R3		406	Inductor		LCYB22NJ1608
	C 2608 C 2609		CCSRCH471J50 CKSRYF104Z25	L	407	Inductor		CTF1410
	164			C-N1/UC				
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Circ	uit Symbol and No.	Part No.	Circu	uit Symbol and No.	Part No.	
L 408	Inductor(X1/EW)	CTF1410	R 471		RAB4CQ104J	
L 400	Inductor(N1/UC)	CTF1556	R 477		RS1/16SS222J	А
L 409	Inductor	LCTB1R0K2125	R 478		RS1/16SS222J	^
L 410	Inductor	CTF1547	R 479		RS1/16SS222J	
L 412	Inductor	CTF1547	R 480		RS1/16SS332J	
			R 481		RS1/16SS332J	
L 413	Inductor	CTF1547				
L 414	Inductor	CTF1547	R 482		RS1/16SS223J	
L 415	Inductor	CTF1547	R 483		RS1/16SS473J	-
L 416	Inductor	CTF1547	R 501		RS1/16SS0R0J	
L 417	Inductor	CTF1547	R 502 R 503		RS1/16SS102J RS1/16SS154J	
L 418	Inductor	CTF1410	K 303		KS 1/1033 134J	
L 441	Inductor	CTF1410	R 508	(X1/EW)	RS1/16SS472J	
L 442	Inductor	CTF1410	17 000	(N1/UC)	RS1/16SS103J	В
L 461	Inductor	CTF1410	R 509	(111100)	RS1/16SS473J	ь
L 462	Inductor	CTF1410	R 510		RS1/16SS102J	
			R 511		RS1/16SS103J	
L 467	Inductor	CTF1547				
L 468	Inductor	CTF1547	R 512		RS1/16SS473J	
L 469	Inductor	CTF1410	R 513		RS1/16SS103J	_
L 501	Inductor	CTF1410	R 514		RS1/16SS473J	
L 502	Inductor	CTF1410	R 515		RS1/16SS473J	
		0==	R 517		RS1/16SS103J	
L 503	Inductor	CTF1410	D 540		D04/40004704	
L 504	Inductor	CTF1410	R 519		RS1/16SS473J	
L 531	Inductor	CTF1410	R 521	(V4/F\A)\	RS1/16SS473J	_
X 401 X 501	TCXO 16.368MHz Radiator 32.768kHz	CWX2381 CSS1319	R 532 R 533	(X1/EW) (X1/EW)	RS1/16SS104J RS1/16SS332J	С
X 301	Nadiatol 32.7 Ooki iz	0001019	17 333	(N1/UC)	RS1/16SS103J	
X 502	Radiator 20.00MHz	CSS1549		(141/00)	1101/10001000	
X 532	Radiator 4.332MHz(X1/EW)		R 534		RS1/16SS103J	
F 401	Filter	CTF1548	R 535		RS1/16SS103J	
			R 536		RS1/16SS0R0J	_
<b>RESISTO</b>	<u>RS</u>		R 537	(X1/EW)	RS1/16S0R0J	
			R 538	(X1/EW)	RS1/16SS0R0J	
R 401		RS1/16SS472J				
R 402		RS1/16SS472J	<u>CAPACITO</u>	<u>DRS</u>		
R 403		RS1/16SS122J				
R 404		RS1/16SS622J	C 401		CCSRCH100D50	_
R 405		RS1/16SS100J	C 402		CCSSCH101J50	D
D 406		DC4/46C074 I	C 403 C 404		CKSSYB104K10	
R 406 R 407		RS1/16S271J RS1/16S2R2J	C 404 C 405		CCSSCH101J50 CCSRUJ220J50	
R 441		RN1/16SC10R0E			CC3R03220330	
R 442		RN1/16SE1501D			CCSRUJ220J50	
R 443		RN1/16SE2402D			CKSSYB333K16	_
			C 408		CKSSYB182K50	
R 444		RN1/16SE3302D	C 409		CSZS100M6R3	
R 445		RN1/16SE4702D	C 410		CKSSYB103K16	
R 446		RN1/16SE4702D				
R 447		RS1/16S432J	C 411		CKSSYB102K50	
R 448		RN1/16SE1002D	_		CKSSYB102K50	
5		D11//00=000	C 413		CKSSYB104K10	E
R 449		RN1/16SE2202D			CKSSYB104K10	
R 450		RN1/16SE3302D	C 415		CKSSYB104K10	
R 451 R 452		RS1/16S103J RS1/16SS102J	C 416		CKSSYB104K10	
R 454		RS1/16SS102J	C 417		CKSSYB104K10	
11 404		1001/10001020	C 418		CKSSYB102K50	_
R 460		RS1/16S0R0J	C 419		CKSSYB104K10	
R 461		RS1/16SS102J	C 420		CKSSYB104K10	
R 462		RS1/16SS102J				
R 463		RAB4CQ102J	C 421		CKSSYB102K50	
R 464		RAB4CQ333J	C 422		CKSSYB103K16	
			C 423		CKSSYB104K10	
R 465	0	RS1/16SS102J	C 424		CCSRCH102J50	F
R 468	(X1/EW)	RS1/16SS471J	C 425		CCSRCH271J50	
R 469	(X1/EW)	RAB4CQ471J	0.400		000001400150	
R 470		RAB4CQ471J	C 426		CCSRCH102J50	
			AVIC-N1/UC	1		165
			AVIC-111/0C	_		100

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		cuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.
	C 427		CKSSYB104K10			
	C 428		CKSSYB103K16	<u>MISCELI</u>	<u> ANEOUS</u>	
Α	C 429		CCSRCH301J50			
	C 430		CCSSCH120J50	IC 1001	IC	NJM2137V
	0.404		0000011004150	IC 1002	IC	TA2050F
	C 431		CCSRCH301J50	IC 1101	IC	HA12240FP
	C 432 C 433		CKSSYB103K16	IC 1102	IC	TA2050F
	C 433		CCSRCH101J50 CKSSYB102K50	IC 1201	IC	NJM2137V
	C 434		CKSSYB102K30 CKSSYB103K16	10.4004	10	T4.00505
	C 433		CKSSTBTOSKTO	IC 1301	IC	TA2050F
	C 436		CKSSYB104K10	IC 1302	IC	NJM2137V
	C 441		CKSRYB104K16	IC 1352	IC	NJM2137V
	C 442		CCSRCH101J50	IC 1401 IC 1402	IC IC	NJM2391DL1-33 NJM4558E
	C 443		CKSRYB104K16	10 1402	iC	NJIVI4JJOL
В	C 444		CKSSYB103K16	IC 1501	IC	CXA2069Q
				IC 1551	IC	NJM2561F1
	C 445		CKSSYB104K10	IC 1552	IC	NJM2561F1
	C 461	22µF/6.3V	CCH1408	IC 1601	IC	TC7SH04FU
	C 462		CKSRYB104K16	IC 1603	IC	PE5411A
	C 463		CKSRYB104K16			
	C 464		CKSSYB103K16	IC 1604	IC	TC7SH08FU
				IC 1605	IC	TC7SH08FU
	C 465		CKSSYB103K16	IC 1607	IC	TC7SH08FU
	C 466		CKSSYB103K16	IC 1608	IC	TC7SH04FU
	C 467		CKSSYB103K16	IC 1821	IC	NJM2904M
	C 468		CKSSYB104K10			
	C 469		CSZS100M10	IC 1871	IC	S-812C33AMC-C2N
С	0.470		01/00//04041/40	IC 1872	IC	S-L2980A50MC-C7J
	C 470		CKSSYB104K10	IC 1901	IC	NJM2391DL1-33
	C 471 C 501		CCSSCH101J50 CKSSYB104K10	IC 1902	IC	M5237ML
	C 501		CCSRCH150J50	Q 1101	Transistor	DTC124EU
	C 502		CCSRCH150J50	0.4400	Transistan	0044570
	0 303		0001100000	Q 1102	Transistor	2SA1576
	C 504		CKSSYB104K10	Q 1201 Q 1202	Transistor Transistor	2SA1037K 2SC2412K
	C 506		CKSSYB104K10	Q 1202 Q 1401	Transistor	2SC3357
	C 507		CKSSYB104K10	Q 1401 Q 1402	Transistor	2SC3337 2SC3127
	C 508		CKSSYB104K10	Q 1402	Tansistor	2000127
	C 509		CKSSYB104K10	Q 1403	Transistor	DTC124EU
				Q 1404	Transistor	DTC124EU
D	C 511		CKSSYB104K10	Q 1405	Transistor	DTC124EU
	C 512		CKSSYB104K10	Q 1406	Transistor	DTC124EU
	C 514		CSZS100M6R3	Q 1551	Transistor	2SA1576
	C 515		CKSSYB104K10			
	C 516		CKSSYB104K10	Q 1552	Transistor	2SA1576
	C 517		CKSSYB104K10	Q 1555	Transistor	2SC2412K
	C 517		CKSSYB104K10	Q 1556	Transistor	2SC2412K
	C 535	(X1/EW)	CSZS100M6R3	Q 1557	Transistor	2SC2412K
	C 539	(X1/EW)	CCSRCH100D50	Q 1558	Transistor	2SC2412K
	C 540	(X1/EW)	CCSRCH100D50	Q 1559	Transistor	FMG12
	0 0.0	(71.7211)	00011011100200	Q 1539 Q 1581	Transistor	2SA1037K
	C 541	(X1/EW)	CCSRCH561J50	Q 1582	Transistor	2SC4081
Е	C 542	(X1/EW)	CKSSYB104K10	Q 1583	Transistor	2SC4081
_	C 543	(X1/EW)	CSZS100M6R3	Q 1601	Transistor	2SC2412K
	C 544	(X1/EW)	CCSRCH331J50			
	C 545	(X1/EW)	CKSSYB104K10	Q 1607	Transistor	2SC4081
				Q 1801	Transistor	2SC3545
				Q 1802	Transistor	DTC144EK
	Mother T	<u>uner Unit</u>		Q 1803	Transistor	DTC144EK
_	Consists	s of		Q 1821	Transistor	DTC114EU
	Relay P			_		B=0./
	Mother			Q 1822	Transistor	DTC114WK
		tor PCB		Q 1871	Transistor	DTC114EU
	COMMEC	IOI FOD		Q 1872	Transistor	2SA1037K
F				Q 1881 Q 1901	Transistor	DTC114EU
1-				Q 1901	Transistor	2SA1036K
	Linit No	ImboriC/M/M/0436/A	\/IC V4/E\\/\	Q 1902	Transistor	2SA1036K
		imber:CWM9136(A		Q 1903	Transistor	DTC114EK
	Unit Na	ame:Mother Tuner	Unit	Q 1000		2.0.11EIX
	166		AVIC	-N1/UC		
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	Circ	uit Symbol and No.	Part No.		Circu	iit Symbol and No.	Part No.	
	Q 1904	Transistor	DTC114EK	D 15		Diode	MA153	
	Q 1905	Transistor	2SB1260	D 15		Diode	DAP202U	
	Q 1906	Transistor	DTC114EK	D 15		Diode	MA111	^
	Q 1900	Halisisioi	DICTI4LK	Dic	560	Diode	IVIATTI	Α
	Q 1907	Transistor	2SB1629	D 15	581	Diode	DAN202U	
	Q 1908	Transistor	2SD2396	D 15	582	Diode	UDZS8R2(B)	
	Q 1909	Transistor	2SD2396	D 16	502	Diode	DAN202U	
	Q 1951	Transistor	2SD2098	D 18		Diode	HZU3R3(B1)	
	Q 1952	Transistor	2SD2098	D 18		Diode	S1G-6904G2P	
	Q 2801	Transistor	2SC4081	D 18		Diode	UDZS18(B)	
	Q 2831	Transistor	DTC323TU	D 18		Diode	UDZS18(B)	
	Q 2832	Transistor	DTC323TU	D 18		Diode	1SS355	
	Q 2833	Transistor	DTC323TU	D 18		Diode	UDZS5R6(B)	
	Q 2844	Transistor	DTC323TU	D 18	381	Diode	UDZS18(B)	
	0.2045	Transistor	DTC222TU	D 10	202	Diada	1SS355	В
	Q 2845	Transistor	DTC323TU	D 18		Diode		
	Q 2846	Transistor	DTC323TU	D 18		Diode	UDZS6R8(B)	
	Q 2886	Transistor	2SC4081	D 18		Diode	RB500V-40	
	D 1001	Diode	UDZS6R8(B)	D 19		Diode	HZU9R1(B3)	
	D 1002	Diode	UDZS6R8(B)	D 19	903	Diode	UDZS5R6(B)	
	D 1003	Diode	UDZS6R8(B)	D 19	950	Diode	UDZS13(B)	
	D 1004	Diode	UDZS6R8(B)	D 19		Diode	UDZS5R6(B)	
	D 1005	Diode	UDZS6R8(B)	D 28		Diode	UDZS6R8(B)	
	D 1006	Diode	UDZS6R8(B)	D 28		Diode	UDZS6R8(B)	
	D 1007	Diode	UDZS6R8(B)	D 28		Diode	UDZS10(B)	
	2 .00.	2.000	02200.10(2)	2 20		2.000	0220:0(2)	
	D 1008	Diode	UDZS6R8(B)	D 28		Diode	UDZS10(B)	С
	D 1009	Diode	UDZS6R8(B)	D 28		Diode	UDZS5R6(B)	
	D 1010	Diode	UDZS6R8(B)	D 28	314	Diode	UDZS5R6(B)	
	D 1011	Diode	UDZS6R8(B)	D 28	386	Diode	S1G-6904G2P	
	D 1012	Diode	UMZ6R8N	D 28	387	Diode	S1G-6904G2P	
	D 4042	Diodo	MAAFO	ZND	1 101	Curas Drotostor	DCCA 20402411A DI	
	D 1013 D 1014	Diode Diode	MA153 UMZ6R8N	ZNR L 10		Surge Protector Inductor	RCCA-201Q31UA-PI CTF1334	
	D 1015	Diode	UMZ6R8N	L 10		Inductor	CTF1334	
	D 1015	Diode	UDZS6R8(B)	L 10		Inductor	CTF1334	
	D 1010	Diode	UDZS6R8(B)	L 10		Inductor	CTF1334	
	2	2.000	02200.10(2)					
	D 1018	Diode	UDZS6R8(B)	L 10	005	Inductor	CTF1306	
	D 1019	Diode	UMZ6R8N	L 10	006	Inductor	CTF1306	D
	D 1020	Diode	UMZ6R8N	L 10	007	Inductor	CTF1306	
	D 1021	Diode	UMZ6R8N	L 10	800	Inductor	CTF1306	
	D 1022	Diode	UMZ6R8N	L 10	009	Inductor	CTF1306	
	D 1023	Diode	UDZS6R8(B)	L 10	010	Inductor	CTF1306	
	D 1023	Diode	UMZ6R8N	L 10		Inductor	CTF1306	
	D 1101	Diode	UMZ6R8N	L 10		Inductor	CTF1306	
	D 1102	Diode	DAN202U	L 10		Inductor	CTF1334	
	D 1103	Diode	1SS355	L 10		Inductor	CTF1334	
	D 1201	Biodo	100000	2 10		inductor	011 1001	
	D 1202	Diode	1SS355	L 10	015	Inductor	CTF1334	
	D 1203	Diode	HZU12(B2)	L 10	016	Inductor	CTF1382	
	D 1204	Diode	HZU12(B2)	L 10	)17	Inductor	CTF1334	Е
	D 1205	Diode	HZU12(B2)	L 10	)18	Inductor	CTF1382	_
	D 1206	Diode	HZU12(B2)	L 10	019	Inductor	CTF1382	
	D 4007	Diada	LIMZCDON	1 40	200	la di rata u	OTE4004	
	D 1207	Diode	UMZ6R8N	L 10		Inductor	CTF1334	
	D 1208	Diode	UMZ6R8N	L 10		Inductor	CTF1334	
	D 1301	Diode	UMZ6R8N	L 10		Inductor	CTF1334	
	D 1302	Diode	UMZ6R8N	L 10		Inductor	CTF1399	_
	D 1303	Diode	UMZ6R8N	L 11	101	Inductor	LCTA2R2J2520	
	D 1304	Diode	UMZ6R8N	L 11	102	Inductor	CTF1334	
	D 1353	Diode	UMZ6R8N	L 11		Inductor	CTF1334	
	D 1354	Diode	UMZ6R8N	L 11		Inductor	CTF1334	
	D 1401	Diode	1SR154-400	L 11		Inductor	CTF1334	F
	D 1402	Diode	1SR154-400	L 12		Inductor	CTF1399	
				_ 12		·	211 1230	
	D 1403	Diode	1SR154-400	L 13		Inductor	CTF1399	
	D 1551	Diode	MA153	L 13		Inductor	CTF1334	
_		_	_	AVIC-N1/UC		7	16	67
		5	6	-		7	8	

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	Cir	cuit Symbol and No.	Part No.		Circ	uit Symbol and No.	Part No.
	L 1303	Inductor	CTF1334			Inductor	CTF1306
	L 1303 L 1304	Inductor	CTF1334 CTF1334		2835	Inductor	CTF1306
	L 1304 L 1305	Inductor	CTF1334 CTF1334		2836	Inductor	CTF1306
Α	L 1303	madeloi	011 1354	-	2000	madetoi	011 1300
	L 1351	Inductor	CTF1399	1	2851	Inductor	CTF1334
	L 1401	Inductor	LCTA4R7J252		2852	Inductor	CTF1334
	L 1402	Inductor	LCTAR12J252		2853	Inductor	CTF1334
	L 1403	Inductor	LCTA1R0J252	0 L	2854	Inductor	CTF1334
	L 1404	Inductor	LCTCR10K212	25 L	2855	Inductor	CTF1334
	L 1405	Inductor	LCTA1R0J252			Inductor	CTF1334
	L 1406	Inductor	LCTA1R0J252		2857	Inductor	CTF1334
	L 1407	Coil	CTC1143		2859	Inductor	CTF1334
	L 1408	Inductor	LCTCR10K212		2861	Inductor	CTF1334
	L 1409	Inductor	LCTCR18K212	25 L	2862	Inductor	CTF1334
В							0==+00=
	L 1410	Inductor	LCTA101J2520		2886	Inductor	CTF1295
	L 1411	Coil	CTC1142		( 1601	Radiator 12.58MHz	CSS1601
	L 1412	Inductor	LCTA101J2520		/R1551	Semi-fixed 10kΩ(B)	CCP1448
	L 1413	Coil	CTC1139 LCTA100J2520		U1201	Fuse 4A	CEK1260
	L 1501	Inductor	LC 1A 10032320	J	U1701	Fuse 4A	CEK1260
	L 1551	Inductor	LCTA101J2520	n =	U1702	Fuse 4A	CEK1260
_	L 1552	Inductor	LCTA100J2520		U1950	Fuse 2A	CEK1257
	L 1553	Inductor	LCTA100J2520		U2801	Fuse 5A	CEK1289
	L 1554	Inductor	LCTA100J2520		SY1861	Sensor	CSX1042
	L 1555	Inductor	LCTA100J2520		SY1865	Sensor	CSX1074
С	L 1601	Inductor	CTF1379	E	F1001	EMI Filter	CCG1082
-	L 1602	Inductor	CTF1379	E	F1201	EMI Filter	CCG1067
	L 1603	Inductor	CTF1379	E	F1301	EMI Filter	CCG1067
	L 1604	Inductor	CTF1379		F1351	EMI Filter	CCG1067
	L 1766	Inductor	CTF1379	E	F1701	EMI Filter	CCG1067
							00044=0
	L 1801	Inductor	LCTCR22K212		F1901	EMI Filter	CCG1172
	L 1802	Inductor	LCTA1R0J252		F1902	EMI Filter	CCG1172
	L 1803	Inductor	LCTA1R0 I252	-	F1903	EMI Filter	CCG1172
	L 1804 L 1821	Inductor Inductor	LCTA1R0J252 CTF1306		F2801 ′ 1401	EMI Filter FM/AM Tuner Unit	CCG1067 CWE1650
	L 1021	madeloi	C11 1300	'	1401	T W/AW Turier Offic	CVVL 1030
	L 1841	Inductor	CTF1334	Υ	′ 1801	Tuner Unit	CWE1674
D	L 1842	Inductor	CTF1334	·		GPS Unit	CWX2929
D	L 1843	Inductor	CTF1334				
	L 1844	Inductor	CTF1334	R	ESISTO	RS	
	L 1845	Inductor	CTF1334	_		<del></del>	
				F	R 1001		RS1/16S750J
	L 1846	Inductor	CTF1334	F	R 1004		RS1/16S472J
_	L 1847	Inductor	CTF1393	F	R 1005		RS1/16S472J
	L 1848	Inductor	CTF1393	F	R 1006		RS1/16S512J
	L 1849	Inductor	CTF1393	F	R 1007		RS1/16S102J
	L 1850	Inductor	CTF1334				
	1 4054	La diverta a	OTE4004		R 1008		RS1/16S101J
	L 1851 L 1852	Inductor	CTF1334 CTF1306		R 1009		RS1/16S512J
_	L 1852 L 1853	Inductor	CTF1306 CTF1306		R 1010		RS1/16S101J
Е	L 1861	Inductor Inductor	CTF1306 CTF1334		R 1011		RS1/16S101J
	L 1862	Inductor	CTF1334	ŀ	R 1012		RS1/16S223J
	2 1002	madotor	011 1004		R 1013		RS1/16S223J
	L 1871	Inductor	CTF1334		R 1013		RS1/16S102J
	L 1872	Inductor	CTF1393		R 1014		RS1/16S102J
	L 1873	Inductor	CTF1393		R 1016		RS1/16S563J
	L 1874	Inductor	CTF1557		R 1017		RS1/16S473J
	L 1881	Inductor	CTF1306	·			110 17 100 11 00
				F	R 1102		RS1/16S102J
	L 2811	Inductor	CTF1557		R 1104		RS1/10S101J
	L 2812	Inductor	CTF1557		R 1105		RS1/10S101J
	L 2813	Inductor	CTF1334	F	R 1106		RS1/10S620J
F	L 2814	Inductor	CTF1334	F	R 1107		RS1/16S102J
	L 2831	Inductor	CTF1306				50441-5
	L 2832	Inductor	CTF1306		R 1108		RS1/16S102J
	L 2832 L 2833	Inductor	CTF1306 CTF1306	F	R 1109		RS1/16S223J
		inductor	J11 1300	AVIC-N1/UC			
	168	1 =	2	AVIC-IVI/UC		3 $\blacksquare$	4
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Circuit Symbol and No.	Part No.	Circuit Symbol and No.	Part No.	
R 1110	RS1/16S223J	R 1405	RS1/16S681J	
R 1111	RS1/16S101J	R 1406	RS1/16S821J	
R 1112	RS1/16S101J	R 1407	RS1/16S103J	Α
R 1113	RS1/16S332J	R 1408	DC1/16C102 I	
R 1114	RS1/16S332J RS1/16S682J	R 1408 R 1409	RS1/16S103J RS1/16S273J	
R 1115	RS1/10S002J	R 1410	RS1/16S273J	
R 1118	RS1/16S0R0J	R 1411	RS1/16S330J	
R 1119	RS1/16S0R0J	R 1412	RS1/16S183J	_
R 1201 R 1202	RS1/16S473J RS1/16S563J	R 1413 R 1414	RS1/16S183J RS1/16S151J	
R 1203	RS1/16S473J	R 1415	RS1/16S753J	
R 1204	RS1/16S473J	R 1416	RS1/16S753J	
R 1205	RS1/16S473J	R 1417	RS1/16S681J	
_				В
R 1206	RS1/16S473J	R 1418	RS1/16S152J	
R 1207	RS1/16S473J	R 1419	RS1/16S332J	
R 1208 R 1209	RS1/16S512J RS1/16S102J	R 1420 R 1421	RS1/16S680J	
R 1209 R 1210	RS1/16S102J RS1/16S101J	R 1421 R 1422	RS1/16S151J RS1/16S151J	
1210	1.01/1001010	11 1744	1.01/1001010	
R 1211	RS1/16S512J	R 1423	RS1/16S101J	
R 1212	RS1/16S472J	R 1424	RS1/16S680J	
R 1213	RS1/16S472J	R 1425	RS1/16S473J	
R 1214 R 1215	RS1/16S0R0J	R 1426	RS1/16S681J	
K 1215	RS1/16S0R0J	R 1427	RS1/16S473J	
R 1216	RS1/16S0R0J	R 1428	RS1/16S681J	С
R 1217	RS1/16S0R0J	R 1429	RS1/16S681J	· ·
R 1218	RS1/16S103J	R 1430	RS1/16S681J	
R 1219	RS1/16S103J	R 1431	RS1/16S681J	
R 1220	RS1/16S750J	R 1432	RS1/16S473J	
R 1301	RS1/16S563J	R 1433	RS1/16S473J	
R 1302	RS1/16S473J	R 1501	RS1/16S0R0J	
R 1303	RS1/16S102J	R 1502	RS1/16S0R0J	
R 1304	RS1/16S102J	R 1505	RS1/16S562J	
R 1305	RS1/16S223J	R 1506	RS1/16S562J	
R 1306	RS1/16S223J	R 1507	RS1/16S562J	
R 1307	RS1/16S101J	R 1508	RS1/16S562J	D
R 1308	RS1/16S101J	R 1509	RS1/16S562J	Ь
R 1309	RS1/16S512J	R 1510	RS1/16S562J	
R 1310	RS1/16S102J	R 1511	RS1/16S101J	
R 1311	RS1/16S101J	R 1512	RS1/16S101J	
R 1312	RS1/16S101J RS1/16S512J	R 1512 R 1551	RS1/16S0R0J	
R 1313	RS1/16S472J	R 1552	RS1/16S0R0J	
R 1314	RS1/16S472J	R 1553	RS1/16S182J	
R 1315	RS1/16S103J	R 1554	RS1/16S182J	
P 1316	DQ1/16Q100 I	D 1555	DC1/46C400 I	
R 1316 R 1317	RS1/16S103J RS1/16S750J	R 1555 R 1556	RS1/16S102J RS1/16S102J	
R 1351	RS1/16S750J RS1/16S563J	R 1557	RS1/16S102J RS1/16S103J	Е
R 1352	RS1/16S473J	R 1558	RS1/16S123J	
R 1357	RS1/16S512J	R 1559	RS1/16S123J	
D 4050	DC4/4004001	D 4500	DC4/4004001	
R 1358 R 1359	RS1/16S102J RS1/16S101J	R 1560 R 1561	RS1/16S103J RS1/16S473J	
R 1369 R 1360	RS1/16S101J RS1/16S512J	R 1562	RS1/16S473J	
R 1363	RS1/16S312J	R 1563	RS1/16S4733	
R 1364	RS1/16S472J	R 1564	RS1/16S471J	
D 4005	DO4/400/00*	D 4505	D04/400 :=::	
R 1365	RS1/16S103J	R 1565	RS1/16S471J	
R 1366 R 1367	RS1/16S103J RS1/16S750J	R 1566 R 1567	RS1/16S471J RS1/16S821J	
R 1401	RS1/16S105J	R 1567 R 1568	RS1/16S821J	F
R 1402	RS1/16S0R0J	R 1569	RS1/16S821J	r
R 1403 R 1404	RS1/16S0R0J RS1/16S681J	R 1570 R 1571	RS1/16S821J RS1/16S104J	
1. 1404	NO 1/ 100001J		NO 1/100 104J	400
<b>5</b>	6	AVIC-N1/UC 7	8	169
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	Circuit Symbol a	nd No. Part No.	Circuit Symbol and I	No. Part No.
	R 1572	RS1/16S104J	R 1664	RS1/16S681J
	R 1573	RS1/16S750J	R 1801	RS1/16S152J
Α	R 1574	RS1/16S105J	R 1802	RS1/16S151J
	R 1575	RS1/16S750J	R 1803	RS1/16S681J
	R 1576	RS1/16S0R0J	R 1806	RS1/16S0R0J
	R 1580	RS1/16S105J	R 1807	RS1/16S391J
	R 1581	RS1/4S821J	R 1808	RS1/16S473J
	R 1582	RS1/16S223J	R 1810	RS1/16S472J
	R 1583	RS1/16S473J	R 1821	RS1/16S0R0J
	R 1584	RS1/16S223J	R 1822	RS1/16S333J
	R 1585	RS1/16S563J	R 1823	RS1/16S203J
	R 1586	RS1/16S223J	R 1824	RS1/16S822J
В	R 1587	RS1/16S473J	R 1825	RS1/16S202J
В	R 1588	RS1/16S101J	R 1826	RS1/16S564J
	R 1601	RS1/16S272J	R 1827	RS1/16S513J
	R 1602	RS1/16S101J	R 1828	RS1/16S513J
	R 1603	RS1/16S333J	R 1829	RS1/16S102J
	R 1604	RS1/16S473J	R 1830	RS1/16S102J
	D 4007	D04/4004041	D 4004	D04/4004041
	R 1607	RS1/16S104J	R 1831	RS1/16S104J
	R 1610	RS1/16S681J	R 1832	RS1/16S513J
	R 1611	RS1/16S681J	R 1833	RS1/16S473J
	R 1612	RAB4C681J	R 1834	RS1/16S563J
	R 1613	RS1/16S472J	R 1835	RS1/16S104J
С	R 1614	RS1/16S681J	R 1841	RS1/16S104J
	R 1615	RS1/16S473J	R 1843	RS1/16S101J
	R 1617	RS1/16S681J	R 1861	RS1/10S105J
	R 1618	RAB4C681J	R 1862	RS1/10S151J
	R 1619	RS1/16S104J	R 1871	RS1/10S103J
_	R 1621	RS1/16S470J	R 1872	RS1/10S103J
	R 1622	RS1/16S470J	R 1873	RN1/16SE1001D
	R 1623	RS1/16S103J	R 1874	RN1/16SE1101D
	R 1624	RS1/16S103J	R 1875	RN1/16SE1001D
	R 1625	RAB4C681J	R 1881	RS1/4S102J
	R 1626	RAB4C681J	R 1901	RS1/16S102J
D	R 1627	RS1/16S563J	R 1902	RS1/16S102J
	R 1628	RAB4C681J	R 1903	RS1/16S272J
	R 1629	RAB4C681J	R 1904	RS1/16S272J
	R 1630	RS1/16S473J	R 1905	RS1/16S153J
	R 1631	RAB4C681J	R 1906	RS1/4S102J
	R 1632	RS1/16S473J	R 1907	RS1/10S271J
	R 1633	RS1/16S473J	R 1908	RS1/10S221J
	R 1634	RAB4C681J	R 1909	RS1/10S271J
	R 1635	RAB4C681J	R 1910	RS1/10S271J
	R 1636	RS1/16S473J	R 1911	RS1/16S122J
	R 1637	RS1/16S473J	R 1912	RS1/16S0R0J
Е	R 1638	RS1/16S104J	R 1950	RS1/4S471J
_	R 1640	RS1/16S681J	R 1951	RS1/16S432J
	R 1641	RS1/16S681J	R 1952	RS1/16S222J
	R 1642	RS1/16S473J	R 1953	RS1/16S223J
	R 1643	RS1/16S473J	R 1954	RS1/16S122J
_	R 1644	RS1/16S473J	R 2831	RS1/16S820J
	R 1647	RS1/16S473J	R 2832	RS1/16S820J
	R 1651	RS1/16S473J	R 2833	RS1/16S223J
	R 1652	RS1/16S473J	R 2834	RS1/16S223J
	R 1657	RS1/16S473J	R 2835	RS1/16S471J
	R 1658	RS1/16S473J	R 2836	RS1/16S471J
F	R 1659	RS1/16S473J	R 2837	RS1/16S820J
	R 1661	RS1/16S681J	R 2838	RS1/16S820J
	R 1662	RS1/16S681J	R 2839	RS1/16S223J
	R 1663	RS1/16S681J	R 2840	RS1/16S223J
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Circuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
R 2841	RS1/16S471J	C 1106		CKSRYB105K10	
R 2842	RS1/16S471J	C 1107		CKSRYB105K10	
R 2843	RS1/16S820J	C 1107		CKSRYB105K10	^
17 2040	1001/1000200	C 1109		CKSRYB105K10	А
R 2844	RS1/16S820J	C 1112		CCSRCH471J50	
R 2845	RS1/16S223J	0 1112		0001101147 1000	
R 2846	RS1/16S223J	C 1113		CCSRCH471J50	
R 2847	RS1/16S471J	C 1117		CKSRYB104K25	
R 2848	RS1/16S471J	C 1201		CKSRYB104K16	
		C 1202		CEV100M16	
R 2849	RS1/16SS681J	C 1203		CKSRYB105K10	
R 2850	RS1/16S473J				
R 2851	RS1/16S0R0J	C 1204		CKSRYB103K50	
R 2852	RS1/16S0R0J	C 1206		CCSRCJ3R0C50	
R 2853	RS1/16S0R0J	C 1208		CKSYB106K6R3	
		C 1209		CKSYB106K6R3	В
R 2854	RS1/16S0R0J	C 1210		CKSRYB473K50	
R 2855	RS1/16S0R0J				
R 2856	RS1/16S0R0J	C 1301		CEV100M16	
R 2862	RS1/16S0R0J	C 1302		CEV220M16	
R 2863	RS1/16S0R0J	C 1303		CKSRYB104K16	
B 0000	D01/1000D01	C 1304		CEV100M16	
R 2873	RS1/16S0R0J	C 1305		CKSRYB105K10	
R 2886	RS1/16S473J	0.4200		CI/CDVD405I/40	
R 2887	RS1/16S104J RS1/10S102J	C 1306		CKSRYB105K10 CKSRYB105K10	
R 2888	KS1/10S102J	C 1307 C 1308		CKSRYB105K10	
<u>CAPACITORS</u>		C 1308		CKSRYB105K10	
CAPACITORS		C 1311		CCSRCJ3R0C50	0
C 1001	CCSRCH101J50	0 1311		00011000110000	С
C 1007	CCSRCH101J50	C 1313		CKSYB106K6R3	
C 1003	CCSRCH101J50	C 1314		CKSYB106K6R3	
C 1004	CCSRCH101J50	0 101-		CCSRCH471J50	
C 1005	CCSRCH101J50	C 1316		CKSRYB473K50	
		C 1318		CCSRCH471J50	_
C 1006	CKSRYF104Z25				
C 1007	CCSRCH101J50	C 1353		CKSRYB104K16	
C 1008	CKSRYF104Z25	C 1354		CEV100M16	
C 1009	CCSRCH101J50	C 1355		CKSRYB105K10	
C 1010	CKSRYF104Z25	C 1361		CCSRCJ3R0C50	
		C 1363		CKSYB106K6R3	
C 1011	CCSRCH471J50	0.4004		01/07/04001/0000	D
C 1012	CCSRCH101J50	C 1364		CKSYB106K6R3	
C 1013	CCSRCH681J50	C 1365 C 1401		CKSRYB473K50 CKSQYB225K10	
C 1014	CCSRCH101J50	C 1401		CKSQYB225K10	
C 1015	CCSRCH681J50	C 1402		CCSRCH270J50	
C 1016	CCCDCI 1404 IEO	0 1400		00011011270000	
C 1016	CCSRCH101J50	C 1404		CKSYB475K16	
C 1017 C 1018	CCSRCH681J50 CCSRCH101J50	0 4405		CKSRYB103K50	
C 1018	CCSRCH101J50	0		CCSRCH220J50	
C 1019	CCSRCH101J50	C 1407		CKSRYB103K50	
0 1020	2221(011101000	C 1408		CKSRYB103K50	
C 1022	CKSYB106K6R3				
C 1023	CKSYB106K6R3	C 1409		CCSRCH270J50	Е
C 1026	CCSRCJ3R0C50	C 1410		CEV470M6R3	_
C 1027	CKSRYB105K10	C 1411	220µF/16V	CCH1301	
C 1028	CKSRYB105K10	C 1412		CCSRCH330J50	
		C 1413		CCSRCH470J50	
C 1029	CKSRYB105K10	_		01/05:55	
C 1030	CKSRYB105K10	C 1414		CKSRYB103K50	
C 1031	CKSRYB105K10	C 1415		CKSRYB103K50	_
C 1032	CEV100M16	C 1418		CEV100M16	
C 1033	CKSRYB104K16	C 1419		CKSRYB103K50	
0	<b>0=</b> 1/	C 1420		CCSRCH270J50	
C 1034	CEV100M16	C 1421		CKSRYB103K50	
C 1035	CEV220M16	C 1421 C 1422		CCSRCH150J50	_
C 1101	CKSRYB104K16	C 1422 C 1423		CEV220M16	F
C 1102	CEV100M16	C 1423		CKSRYB103K50	
C 1103	CEV220M16	C 1425		CCSRCH6R0D50	
		3 1 120			
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		7.010 141/00			17.1

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	Circuit Symbol and No.	Part No.	Circuit Symbol and No.	Part No.
	C 1426	CKSRYB103K50	C 1607	CKSRYB103K50
	C 1420	CCSRCH6R0D50	C 1610	CKSRYB102K50
۸	C 1428	CKSRYB222K50	C 1611	CKSRYB102K50
Α	C 1429	CKSRYB103K50	C 1612	CKSRYB102K50
	C 1430	CKSRYB104K16	C 1613	CKSRYB102K50
	C 1431	CEV100M16	C 1614	CKSRYB105K10
	C 1432	CKSRYB103K50	C 1615	CKSRYB103K50
	C 1433	CKSRYB222K50	C 1616	CKSRYB104K16
_	C 1434	CKSRYB222K50	C 1619 C 1620	CKSRYB104K16
	C 1435	CKSRYB222K50	C 1020	CKSRYB104K16
	C 1436	CKSRYB103K50	C 1621	CKSRYB104K16
	C 1437	CKSRYB103K50	C 1622	CKSRYB103K50
	C 1442 220µF/16V	CCH1301	C 1623	CKSRYB103K50
В	C 1501	CKSQYB105K16	C 1801	CKSRYB222K50
	C 1504	CKSQYB105K16	C 1802	CKSRYB103K50
	0.4505	OKOOVB405K40	0.4000	0000011000150
	C 1505	CKSQYB105K16	C 1803 C 1805	CCSRCH220J50
	C 1506 C 1507	CKSQYB105K16 CKSQYB105K16	C 1805	CEV100M16 CKSRYB473K50
	C 1507	CKSQYB105K16	C 1807	CEV220M16
	C 1509	CKSQYB105K16	C 1808	CKSRYB103K50
	C 1510	CKSQYB105K16	C 1809	CKSRYB103K50
	C 1511	CKSQYB105K16	C 1810	CKSRYB473K50
	C 1512	CKSQYB105K16	C 1811	CKSRYB103K50
	C 1513	CKSQYB105K16	C 1812	CKSRYB473K50
С	C 1514	CKSQYB105K16	C 1821	CKSRYB823K16
	C 1515	CKSRYB103K50	C 1822	CKSRYB104K25
	C 1516	CEV220M16	C 1823	CKSRYB103K50
	C 1517	CEV100M16	C 1824	CKSRYB104K16
	C 1551	CCSRCH7R0D50	C 1825	CKSRYB102K50
	C 1552	CKSRYB222K50	C 1826	CKSRYF104Z25
	C 1553	CKSRYB222K50	C 1861	CKSRYB105K10
	C 1554	CKSRYB222K50 CKSRYB222K50	C 1862	CKSRYB103K50
	C 1555 C 1556	CCSRCJ3R0C50	C 1863 C 1864	CKSYB106K6R3 CKSRYB104K25
	C 1557	CEV101M16	C 1865	CCSRCH102J50
D	0 .00.	021.01		000002000
_	C 1558	CKSRYB103K50	C 1866	CKSRYB104K16
	C 1559	CKSQYB225K10	C 1871	CKSRYF103Z50
	C 1560	CKSQYB225K10	C 1872	CKSRYB104K25
	C 1561	CEV100M16	C 1873	CKSRYB334K10
	C 1562	CEV100M16	C 1874	CKSRYF103Z50
	C 1563	CKSYB475K16	C 1875	CEV101M16
	C 1564	CKSYB475K16	C 1876	CEV470M16
	C 1565	CKSRYB103K50	C 1877	CKSRYB104K16
	C 1566	CKSRYB103K50	C 1878	CKSRYF104Z25
	C 1567	CEV470M16	C 1879	CKSRYB474K10
_	C 1569	CEV/470M46	C 1880	CKCDVD404K0F
Е	C 1568 C 1569	CEV470M16 CEV330M10	C 1880 C 1881	CKSRYB104K25 CKSRYB104K25
	C 1569 C 1570	CEV330WT0 CEV101M4	C 1882	CEV470M16
	C 1571	CEV330M10	C 1901	CEV101M16
	C 1572	CEV101M4	C 1902	CEV101M16
	C 1575	CKSRYB104K25	C 1903	CKSRYB104K16
_	C 1576	CKSRYB104K25	C 1904	CKSRYB104K25
	C 1577	CEV101M16	C 1905	CKSRYB103K50
	C 1580 22µF C 1601	CCG1183 CKSRYB103K50	C 1906 C 1907	CKSRYB103K50 CKSRYB103K50
	3 1001		3 1007	OKOK I D 103K00
	C 1602	CKSRYB104K16	C 1908	CEV101M16
F	C 1603	CKSRYB103K50	C 1910	CEV101M16
	C 1604	CEV100M16	C 1911	CKSRYB104K25
	C 1605	CKSRYB103K50	C 1912	CKSRYB103K50
	C 1606	CKSRYB222K50	C 1913	CKSRYB103K50
	470	AV (10 A) ( //		
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Circuit S	Symbol and No.	Part No.		Cir	cuit Symbol and No.	Part No.	
C 1914		CKSRYB103K50		IC 1302	IC	NJM2137V	
C 1915		CEV101M16		IC 1352	IC	NJM2137V	
C 1916		CEV101M16		IC 1401	IC	NJM2391DL1-33	Α
C 1917		CEV101M16		IC 1402	IC	NJM4558E	, ,
C 1918		CKSRYB103K50					
				IC 1501	IC	CXA2069Q	
C 1919		CEV101M16		IC 1551	IC	NJM2561F1	
C 1920		CKSRYB103K50		IC 1552	IC	NJM2561F1	
C 1921		CKSRYB103K50		IC 1601	IC	TC7SH04FU	_
C 1922		CKSRYB104K16		IC 1603	IC	PE5412A	
C 1923		CEV470M16					
				IC 1604	IC	TC7SH08FU	
C 1924		CKSRYB103K50		IC 1605	IC	TC7SH08FU	
C 1925		CEV220M16		IC 1607	IC	TC7SH08FU	
C 1950		CEV101M16		IC 1608	IC	TC7SH04FU	
C 1951		CKSRYB103K50		IC 1821	IC	NJM2904M	В
C 1952		CKSRYB103K50					
				IC 1871	IC	S-812C33AMC-C2N	
C 1953		CEV101M16		IC 1872	IC	S-L2980A50MC-C7J	
C 1954		CEV101M16		IC 1901	IC	NJM2391DL1-33	
C 1955		CKSRYB103K50		IC 1902	IC	M5237ML	
C 1956		CKSRYB103K50		Q 1101	Transistor	DTC124EU	_
C 1957		CEV101M16					
				Q 1102	Transistor	2SA1576	
C 2813		CKSRYF104Z25		Q 1201	Transistor	2SA1037K	
C 2814		CKSRYF104Z25		Q 1202	Transistor	2SC2412K	
C 2831		CEVW100M16		Q 1551	Transistor	2SA1576	
C 2832		CEVW100M16		Q 1552	Transistor	2SA1576	
C 2833		CKSRYB222K50					С
_				Q 1555	Transistor	2SC2412K	
C 2834		CKSRYB222K50		Q 1556	Transistor	2SC2412K	
C 2837		CEVW100M16		Q 1557	Transistor	2SC2412K	
C 2838		CEVW100M16		Q 1558	Transistor	2SC2412K	
C 2839		CKSRYB222K50		Q 1559	Transistor	FMG12	
C 2840		CKSRYB222K50					
				Q 1581	Transistor	2SA1037K	•
C 2843		CEVW100M16		Q 1582	Transistor	2SC4081	
C 2844		CEVW100M16		Q 1583	Transistor	2SC4081	
C 2845		CKSRYB222K50		Q 1601	Transistor	2SC2412K	
C 2846		CKSRYB222K50		Q 1607	Transistor	2SC4081	
C 2849		CKSSYB102K50		0.4004		DTO444EU	
0.0054		01/00/15400750		Q 1821	Transistor	DTC114EU	D
C 2851		CKSRYF103Z50		Q 1822	Transistor	DTC114WK	
C 2879		CEV470M16		Q 1871	Transistor	DTC114EU	
C 2880		CKSRYF104Z25		Q 1872	Transistor	2SA1037K	
C 2886		CKSRYF104Z25		Q 1881	Transistor	DTC114EU	
C 2887		CKSRYF104Z25		0 1001	Transistar	2C \ 1026V	
				Q 1901	Transistor Transistor	2SA1036K	
				Q 1902 Q 1903		2SA1036K	_
Mother Tuner	Unit			Q 1903 Q 1904	Transistor Transistor	DTC114EK DTC114EK	
Consists of				Q 1904 Q 1905	Transistor	2SB1260	
Relay PCB				Q 1905	Halisisioi	23B1200	
Mother PCB				Q 1906	Transistor	DTC114EK	
Connector P	CB			Q 1900 Q 1907	Transistor	2SB1629	_
Connector	<u>CD</u>			Q 1907 Q 1908	Transistor	2SD2396	Е
				Q 1909	Transistor	2SD2396	
JKL				Q 1951	Transistor	2SD2098	
جائيات	011/110/07/1			Q 1551	Halisistoi	2002000	
Unit Numbe	er:CWM9137(A	VIC-N1/UC)		Q 1952	Transistor	2SD2098	
	<b>Mother Tuner</b> l			Q 2801	Transistor	2SC4081	
		-		Q 2831	Transistor	DTC323TU	
MISCELLANE	OUS			Q 2832	Transistor	DTC323TU	
MICCELLANE	<u>.555</u>			Q 2833	Transistor	DTC323TU	
IC 1001 IC		NJM2137V					
IC 1001 IC				Q 2844	Transistor	DTC323TU	
IC 1002 IC		TA2050F		Q 2845	Transistor	DTC323TU	
IC 1101 IC		HA12240FP		Q 2846	Transistor	DTC323TU	F
IC 1102 IC IC 1201 IC		TA2050F		Q 2886	Transistor	2SC4081	r.
IC 1201 IC		NJM2137V		D 1001	Diode	UDZS6R8(B)	
IC 1301 IC		TA2050F					
10 1301 IC		IMZUOUF		D 1002	Diode	UDZS6R8(B)	
			AVIC-N			` '	173
	. =	6	AVIC-I	1700	7 -	0	1/3

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	Cir	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	D 1003	Diode	UDZS6R8(B)	D 1951	Diode	UDZS5R6(B)
	D 1004	Diode	UDZS6R8(B)	D 2801	Diode	UDZS6R8(B)
Α	D 1005	Diode	UDZS6R8(B)	D 2802	Diode	UDZS6R8(B)
^	D 1006	Diode	UDZS6R8(B)	D 2811	Diode	UDZS10(B)
	D 1007	Diode	UDZS6R8(B)	D 2812	Diode	UDZS10(B)
	D 1008	Diode	UDZS6R8(B)	D 2813	Diode	UDZS5R6(B)
	D 1009	Diode	UDZS6R8(B)	D 2814	Diode	UDZS5R6(B)
	D 1010	Diode	UDZS6R8(B)	D 2886	Diode	S1G-6904G2P
	D 1011	Diode	UDZS6R8(B)	D 2887	Diode	S1G-6904G2P
	D 1012	Diode	UMZ6R8N	ZNR1401	Surge Protector	RCCA-201Q31UA-PI
	D 1013	Diode	MA153	L 1001	Inductor	CTF1334
	D 1014	Diode	UMZ6R8N	L 1002	Inductor	CTF1334
	D 1015	Diode	UMZ6R8N	L 1003	Inductor	CTF1334
В	D 1016	Diode	UDZS6R8(B)	L 1004	Inductor	CTF1334
	_					
	D 1017	Diode	UDZS6R8(B)	L 1005	Inductor	CTF1306
	D 1018	Diode	UDZS6R8(B)	L 1006	Inductor	CTF1306
	D 1019	Diode	UMZ6R8N	L 1007	Inductor	CTF1306
	D 1020	Diode	UMZ6R8N	L 1008 L 1009	Inductor	CTF1306
	D 1021	Diode	UMZ6R8N	L 1009	Inductor	CTF1306
_	D 1022	Diode	UMZ6R8N	L 1010	Inductor	CTF1306
	D 1023	Diode	UDZS6R8(B)	L 1011	Inductor	CTF1306
	D 1101	Diode	UMZ6R8N	L 1012	Inductor	CTF1306
	D 1102	Diode	UMZ6R8N	L 1013	Inductor	CTF1334
	D 1103	Diode	DAN202U	L 1014	Inductor	CTF1334
С						
	D 1201	Diode	1SS355	L 1015	Inductor	CTF1334
	D 1202	Diode	1SS355	L 1016	Inductor	CTF1382
	D 1203	Diode	HZU12(B2)	L 1017	Inductor	CTF1334
	D 1204	Diode	HZU12(B2)	L 1018	Inductor	CTF1382
	D 1205	Diode	HZU12(B2)	L 1019	Inductor	CTF1382
	D 1206	Diode	HZU12(B2)	L 1020	Inductor	CTF1334
	D 1207	Diode	UMZ6R8N	L 1021	Inductor	CTF1334
	D 1208	Diode	UMZ6R8N	L 1022	Inductor	CTF1334
	D 1301	Diode	UMZ6R8N	L 1026	Inductor	CTF1399
	D 1302	Diode	UMZ6R8N	L 1101	Inductor	LCTA2R2J2520
D	D 1303	Diode	UMZ6R8N	L 1102	Inductor	CTF1334
	D 1304	Diode	UMZ6R8N	L 1103	Inductor	CTF1334
	D 1353	Diode	UMZ6R8N	L 1104	Inductor	CTF1334
	D 1354 D 1401	Diode Diode	UMZ6R8N 1SR154-400	L 1105 L 1201	Inductor Inductor	CTF1334 CTF1399
	D 1401	Diode	101(104-400	L 1201	inductor	C11 1399
_	D 1402	Diode	1SR154-400	L 1301	Inductor	CTF1399
	D 1403	Diode	1SR154-400	L 1302	Inductor	CTF1334
	D 1551	Diode	MA153	L 1303	Inductor	CTF1334
	D 1552	Diode	MA153	L 1304	Inductor	CTF1334
	D 1553	Diode	DAP202U	L 1305	Inductor	CTF1334
	D 1500	Diada	MA111	1 1251	Industor	CTE1200
_	D 1580 D 1581	Diode Diode	MA111 DAN202U	L 1351 L 1401	Inductor Inductor	CTF1399 LCTA4R7J2520
Е	D 1581	Diode	UDZS8R2(B)	L 1403	Inductor	LCTA1R0J2520
	D 1602	Diode	DAN202U	L 1405	Inductor	LCTA1R0J2520
	D 1821	Diode	S1G-6904G2P	L 1406	Inductor	LCTA1R0J2520
	D 1822	Diode	UDZS18(B)	L 1501	Inductor	LCTA100J2520
	D 1823	Diode	UDZS18(B)	L 1551	Inductor	LCTA101J2520
-	D 1824	Diode	1SS355	L 1552	Inductor	LCTA100J2520
	D 1871	Diode	UDZS5R6(B)	L 1553	Inductor	LCTA100J2520
	D 1881	Diode	UDZS18(B)	L 1554	Inductor	LCTA100J2520
	D 1882	Diode	1SS355	L 1555	Inductor	LCTA100J2520
	D 1883	Diode	UDZS6R8(B)	L 1601	Inductor	CTF1379
F	D 1884	Diode	RB500V-40	L 1602	Inductor	CTF1379 CTF1379
	D 1902	Diode	HZU9R1(B3)	L 1603	Inductor	CTF1379
	D 1903	Diode	UDZS5R6(B)	L 1604	Inductor	CTF1379
			` '			
	D 1950	Diode	UDZS13(B)	L 1766	Inductor	CTF1379
	174		AVIC-N		_	
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Circ	uit Symbol and No.	Part No.	Circuit Symbol and No.	Part No.	
L 1821	Inductor	CTF1306	R 1005	RS1/16S472J	
L 1841	Inductor	CTF1334	R 1006	RS1/16S512J	
L 1842	Inductor	CTF1334	R 1007	RS1/16S102J	Α
L 1849	Inductor	CTF1393			
			R 1008	RS1/16S101J	
L 1850	Inductor	CTF1334	R 1009	RS1/16S512J	
L 1851	Inductor	CTF1334	R 1010	RS1/16S101J	
L 1852	Inductor	CTF1306	R 1011	RS1/16S101J	
L 1853	Inductor	CTF1306	R 1012	RS1/16S223J	
L 1861	Inductor	CTF1334	_		•
		0==+00+	R 1013	RS1/16S223J	
L 1862	Inductor	CTF1334	R 1014	RS1/16S102J	
L 1871	Inductor	CTF1334	R 1015	RS1/16S102J	
L 1872	Inductor	CTF1393	R 1016	RS1/16S563J	
L 1873	Inductor	CTF1393 CTF1306	R 1017	RS1/16S473J	_
L 1881	Inductor	C1F1306	R 1102	RS1/16S102J	В
L 2811	Inductor	CTF1557	R 1102 R 1104	RS1/10S102J	
L 2812	Inductor	CTF1557	R 1105	RS1/10S101J	
L 2813	Inductor	CTF1334	R 1106	RS1/10S620J	
L 2814	Inductor	CTF1334	R 1107	RS1/16S102J	
L 2831	Inductor	CTF1306	101	1101/1001020	
		011 1000	R 1108	RS1/16S102J	
L 2832	Inductor	CTF1306	R 1109	RS1/16S223J	
L 2833	Inductor	CTF1306	R 1110	RS1/16S223J	
L 2834	Inductor	CTF1306	R 1111	RS1/16S101J	
L 2835	Inductor	CTF1306	R 1112	RS1/16S101J	
L 2836	Inductor	CTF1306			
			R 1113	RS1/16S332J	С
L 2851	Inductor	CTF1334	R 1114	RS1/16S682J	_
L 2852	Inductor	CTF1334	R 1115	RS1/10S222J	
L 2853	Inductor	CTF1334	R 1118	RS1/16S0R0J	
L 2854	Inductor	CTF1334	R 1119	RS1/16S0R0J	
L 2855	Inductor	CTF1334			
1 0050	Ladordon	OTE4004	R 1201	RS1/16S473J	
L 2856	Inductor	CTF1334	R 1202	RS1/16S563J	_
L 2857	Inductor	CTF1334	R 1203	RS1/16S473J	
L 2859 L 2861	Inductor Inductor	CTF1334 CTF1334	R 1204	RS1/16S473J	
L 2862		CTF1334 CTF1334	R 1205	RS1/16S473J	
L 2002	Inductor	C1F1334	R 1206	RS1/16S473J	
L 2886	Inductor	CTF1295	R 1200	RS1/16S473J	5
X 1601	Radiator 12.58MHz	CSS1601	R 1208	RS1/16S512J	D
VR1551	Semi-fixed 10kΩ(B)	CCP1448	R 1209	RS1/16S102J	
FU1201	Fuse 4A	CEK1260	R 1210	RS1/16S101J	
FU1701	Fuse 4A	CEK1260			
			R 1211	RS1/16S512J	
FU1702	Fuse 4A	CEK1260	R 1212	RS1/16S472J	_
FU1950	Fuse 2A	CEK1257	R 1213	RS1/16S472J	
FU2801	Fuse 5A	CEK1289	R 1214	RS1/16S0R0J	
GY1865	Sensor	CSX1074	R 1215	RS1/16S0R0J	
GY1861	Sensor	CSX1042			
			R 1216	RS1/16S0R0J	
EF1001	EMI Filter	CCG1082	R 1217	RS1/16S0R0J	
EF1201	EMI Filter	CCG1067	R 1218	RS1/16S103J	E
EF1301	EMI Filter	CCG1067	R 1219	RS1/16S103J	
EF1351	EMI Filter	CCG1067	R 1220	RS1/16S750J	
EF1701	EMI Filter	CCG1067	D 4004	DC4/460500 !	
EF1901	EMI Filter	CCG1172	R 1301 R 1302	RS1/16S563J RS1/16S473J	
EF1901 EF1902	EMI Filter	CCG1172 CCG1172	R 1302 R 1303	RS1/16S102J	
EF1902 EF1903	EMI Filter	CCG1172 CCG1172	R 1304	RS1/16S102J	•
EF2801	EMI Filter	CCG1067	R 1305	RS1/16S223J	
Y 1401	FM/AM Tuner Unit	CWE1651	1000		
		22.00.	R 1306	RS1/16S223J	
	GPS Unit	CWX2960	R 1307	RS1/16S101J	
		-	R 1308	RS1/16S101J	
RESISTO	RS		R 1309	RS1/16S512J	F
	_		R 1310	RS1/16S102J	
R 1001		RS1/16S750J			
R 1004		RS1/16S472J	R 1311	RS1/16S101J	
			R 1312	RS1/16S512J	
	_		AVIC-N1/UC		175
	5	6	7	8	

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	Circuit Symbol and No.	Part No.		Circu	it Symbol and No.	Part No.
	R 1313	RS1/16S472J	R	1568		RS1/16S821J
	R 1314	RS1/16S472J		1569		RS1/16S821J
Α	R 1315	RS1/16S103J	R	1570		RS1/16S821J
	R 1316	RS1/16S103J	R	1571		RS1/16S104J
	R 1317	RS1/16S750J		1572		RS1/16S104J
	R 1351	RS1/16S563J		1573		RS1/16S750J
	R 1352	RS1/16S473J		1574		RS1/16S105J
	R 1357	RS1/16S512J	K	1575		RS1/16S750J
	R 1358	RS1/16S102J	R	1576		RS1/16S0R0J
	R 1359	RS1/16S101J		1580		RS1/16S105J
	R 1360	RS1/16S512J		1581		RS1/4S821J
	R 1363 R 1364	RS1/16S472J RS1/16S472J		1582 1583		RS1/16S223J RS1/16S473J
В	1004	1101/1004/20	11	1000		1101/1004/00
	R 1365	RS1/16S103J		1584		RS1/16S223J
	R 1366	RS1/16S103J		1585		RS1/16S563J
	R 1367 R 1402	RS1/16S750J RS1/16S0R0J		1586 1587		RS1/16S223J RS1/16S473J
	R 1403	RS1/16S0R0J		1588		RS1/16S101J
_						
	R 1404	RS1/16S681J		1601		RS1/16S272J
	R 1405 R 1407	RS1/16S681J RS1/16S103J		1602 1603		RS1/16S101J RS1/16S333J
	R 1407 R 1408	RS1/16S103J		1603		RS1/16S3333 RS1/16S473J
	R 1409	RS1/16S273J		1607		RS1/16S104J
	_		_			
С	R 1410 R 1412	RS1/16S273J RS1/16S183J		1610 1611		RS1/16S681J RS1/16S681J
	R 1412	RS1/16S183J		1612		RAB4C681J
	R 1415	RS1/16S753J		1613		RS1/16S472J
	R 1416	RS1/16S753J	R	1614		RS1/16S681J
	R 1426	RS1/16S681J	ь	1615		RS1/16S473J
	R 1426 R 1428	RS1/16S681J		1615 1617		RS1/16S473J RS1/16S681J
	R 1429	RS1/16S681J		1618		RAB4C681J
	R 1431	RS1/16S681J		1619		RS1/16S104J
	R 1434	RS1/4S0R0J	R	1621		RS1/16S470J
	R 1501	RS1/16S0R0J	R	1622		RS1/16S470J
D	R 1502	RS1/16S0R0J		1623		RS1/16S103J
	R 1505	RS1/16S562J		1624		RS1/16S103J
	R 1506 R 1507	RS1/16S562J RS1/16S562J		1625 1626		RAB4C681J RAB4C681J
	K 1907	K31/1033023	K	1020		KAD4C0013
	R 1508	RS1/16S562J	R	1627		RS1/16S563J
	R 1509	RS1/16S562J		1629		RAB4C681J
-	R 1510	RS1/16S562J		1630		RS1/16S473J
	R 1511 R 1512	RS1/16S101J RS1/16S101J		1631 1632		RAB4C681J RS1/16S473J
	-					
	R 1551	RS1/16S0R0J		1633		RS1/16S473J
	R 1552	RS1/16S0R0J		1634		RAB4C681J
Е	R 1553 R 1554	RS1/16S182J RS1/16S182J		1635 1636		RAB4C681J RS1/16S473J
	R 1555	RS1/16S102J		1637		RS1/16S473J
	_		_			
	R 1556 R 1557	RS1/16S102J RS1/16S103J		1638 1640		RS1/16S104J RS1/16S681J
	R 1558	RS1/16S103J		1641		RS1/16S681J
	R 1559	RS1/16S123J		1642		RS1/16S473J
	R 1560	RS1/16S103J	R	1643		RS1/16S473J
	R 1561	RS1/16S473J	n	1644		RS1/16S473J
	R 1562	RS1/16S473J		1644		RS1/16S473J RS1/16S473J
	R 1563	RS1/16S471J		1651		RS1/16S473J
F	R 1564	RS1/16S471J	R	1652		RS1/16S473J
	R 1565	RS1/16S471J	R	1657		RS1/16S473J
	R 1566	RS1/16S471J	P	1658		RS1/16S473J
	R 1567	RS1/16S821J		1659		RS1/16S473J
	176		AVIC-N1/UC			
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Circuit Symbol and No.	Part No.	Circuit Symbol and No.	Part No.	
R 1661	RS1/16S681J	R 2845	RS1/16S223J	
R 1662	RS1/16S681J	R 2846	RS1/16S223J	
R 1663	RS1/16S681J	R 2847	RS1/16S471J	Α
R 1664	RS1/16S681J	R 2848	RS1/16S471J	
R 1821	RS1/16S0R0J	R 2849	RS1/16SS681J	
R 1822	RS1/16S333J	R 2850	RS1/16S473J	
R 1823	RS1/16S203J	R 2851	RS1/16S0R0J	
R 1824	RS1/16S822J	R 2852	RS1/16S0R0J	
R 1825	RS1/16S202J	R 2853	RS1/16S0R0J	-
R 1826	RS1/16S564J	R 2854	RS1/16S0R0J	
R 1827	RS1/16S513J	R 2855	RS1/16S0R0J	
R 1828	RS1/16S513J	R 2856	RS1/16S0R0J	
R 1829	RS1/16S102J	R 2862	RS1/16S0R0J	
1020	1101/1001020	17 2002	1101/10001100	В
R 1830	RS1/16S102J	R 2863	RS1/16S0R0J	_
R 1831	RS1/16S104J	R 2873	RS1/16S0R0J	
R 1832	RS1/16S513J	R 2886	RS1/16S473J	
R 1833	RS1/16S473J	R 2887	RS1/16S104J	
R 1834	RS1/16S563J	R 2888	RS1/10S102J	
B	201/1001011	0.1.0.1.0.0.0		
R 1835	RS1/16S104J	<u>CAPACITORS</u>		
R 1841	RS1/16S104J			
R 1843	RS1/16S101J	C 1001	CCSRCH101J50	
R 1861	RS1/10S105J	C 1002	CCSRCH101J50	
R 1862	RS1/10S151J	C 1003	CCSRCH101J50	
		C 1004	CCSRCH101J50	
R 1871	RS1/10S103J	C 1005	CCSRCH101J50	С
R 1872	RS1/10S103J			
R 1873	RN1/16SE1001D	C 1006	CKSRYF104Z25	
R 1874	RN1/16SE1101D	C 1007	CCSRCH101J50	
R 1875	RN1/16SE1001D	C 1008	CKSRYF104Z25	
	,	C 1008	CCSRCH101J50	
R 1881	RS1/4S102J			
R 1901	RS1/16S102J	C 1010	CKSRYF104Z25	
R 1902	RS1/16S102J	• • • • • • • • • • • • • • • • • • • •	000000111-11-0	
		C 1011	CCSRCH471J50	
R 1903	RS1/16S272J	C 1012	CCSRCH101J50	
R 1904	RS1/16S272J	C 1013	CCSRCH681J50	
B	50.//.50.	C 1014	CCSRCH101J50	
R 1905	RS1/16S153J	C 1015	CCSRCH681J50	
R 1906	RS1/4S102J			D
R 1907	RS1/10S271J	C 1016	CCSRCH101J50	
R 1908	RS1/10S221J	C 1017	CCSRCH681J50	
R 1909	RS1/10S271J	C 1018	CCSRCH101J50	
		C 1019	CCSRCH681J50	
R 1910	RS1/10S271J	C 1020	CCSRCH101J50	
R 1911	RS1/16S122J			
R 1912	RS1/16S0R0J	C 1022	CKSYB106K6R3	
R 1950	RS1/4S471J	C 1023	CKSYB106K6R3	
R 1951	RS1/16S432J	C 1026	CCSRCJ3R0C50	
		C 1027	CKSRYB105K10	
R 1952	RS1/16S222J	C 1028	CKSRYB105K10	
R 1953	RS1/16S223J	0 .020	S. C. C. D. TOOK TO	
R 1954	RS1/16S122J	C 1029	CKSRYB105K10	Е
R 2831	RS1/16S820J	C 1029 C 1030	CKSRYB105K10	
R 2832	RS1/16S820J			
17 2002	1101/1000200	C 1031	CKSRYB105K10	
R 2833	RS1/16S223J	C 1032 C 1033	CEV100M16 CKSRYB104K16	
R 2834	RS1/16S223J	C 1033	CN3K10104K10	
R 2835	RS1/16S471J	C 1024	CE\/400M40	
R 2836	RS1/16S471J	C 1034	CEV100M16	
R 2837	RS1/16S820J	C 1035	CEV220M16	
1. 2007	1301/1000200	C 1101	CKSRYB104K16	
R 2838	RS1/16S820J	C 1102	CEV100M16	
R 2839	RS1/16S223J	C 1103	CEV220M16	
R 2840	RS1/16S223J	C 1106	CKSRYB105K10	
R 2841	RS1/16S471J			F
R 2842	RS1/16S471J	C 1107	CKSRYB105K10	г
1. 4074	1101/1004/10	C 1108	CKSRYB105K10	
R 2843	RS1/16S820J	C 1109	CKSRYB105K10	
R 2843 R 2844	RS1/16S820J	C 1112	CCSRCH471J50	
1. 2077	NO 1/ 1000200	AV/IC N/4/LIC		477
<b>.</b> 5 <b>.</b>	6	AVIC-N1/UC 7	8	177

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	Circu	it Symbol and No.	Part No.		Circ	uit Symbol and No.	Part No.
Α	C 1113 C 1117 C 1201 C 1202 C 1203		CCSRCH471J50 CKSRYB104K25 CKSRYB104K16 CEV100M16 CKSRYB105K10	(	C 1513 C 1514 C 1515 C 1516 C 1517		CKSQYB105K16 CKSQYB105K16 CKSRYB103K50 CEV220M16 CEV100M16
•	C 1204 C 1206 C 1208 C 1209 C 1210		CKSRYB103K50 CCSRCJ3R0C50 CKSYB106K6R3 CKSYB106K6R3 CKSRYB473K50	(	C 1551 C 1552 C 1553 C 1554 C 1555		CCSRCH7R0D50 CKSRYB222K50 CKSRYB222K50 CKSRYB222K50 CKSRYB222K50
В	C 1301 C 1302 C 1303 C 1304 C 1305		CEV100M16 CEV220M16 CKSRYB104K16 CEV100M16 CKSRYB105K10	(	C 1556 C 1557 C 1558 C 1559 C 1560		CCSRCJ3R0C50 CEV101M16 CKSRYB103K50 CKSQYB225K10 CKSQYB225K10
•	C 1306 C 1307 C 1308 C 1309 C 1311		CKSRYB105K10 CKSRYB105K10 CKSRYB105K10 CKSRYB105K10 CCSRCJ3R0C50	(	C 1561 C 1562 C 1563 C 1564 C 1565		CEV100M16 CEV100M16 CKSYB475K16 CKSYB475K16 CKSRYB103K50
С	C 1313 C 1314 C 1315 C 1316 C 1318		CKSYB106K6R3 CKSYB106K6R3 CCSRCH471J50 CKSRYB473K50 CCSRCH471J50	(	C 1566 C 1567 C 1568 C 1569 C 1570		CKSRYB103K50 CEV470M16 CEV470M16 CEV330M10 CEV101M4
•	C 1353 C 1354 C 1355 C 1361 C 1363		CKSRYB104K16 CEV100M16 CKSRYB105K10 CCSRCJ3R0C50 CKSYB106K6R3	(	C 1571 C 1572 C 1575 C 1576 C 1577		CEV330M10 CEV101M4 CKSRYB104K25 CKSRYB104K25 CEV101M16
D	C 1364 C 1365 C 1401 C 1402 C 1404		CKSYB106K6R3 CKSRYB473K50 CKSQYB225K10 CKSQYB225K10 CKSYB475K16	(	C 1580 C 1601 C 1602 C 1603 C 1604	22μF	CCG1183 CKSRYB103K50 CKSRYB104K16 CKSRYB103K50 CEV100M16
	C 1405 C 1407 C 1408 C 1410 C 1411	220μF/16V	CKSRYB103K50 CKSRYB103K50 CKSRYB103K50 CEV470M6R3 CCH1301	(	C 1605 C 1606 C 1607 C 1610 C 1611		CKSRYB103K50 CKSRYB222K50 CKSRYB103K50 CKSRYB102K50 CKSRYB102K50
_	C 1415 C 1418 C 1423 C 1424 C 1425		CKSRYB103K50 CEV100M16 CEV220M16 CKSRYB103K50 CCSRCH6R0D50	(	C 1612 C 1613 C 1614 C 1615 C 1616		CKSRYB102K50 CKSRYB102K50 CKSRYB105K10 CKSRYB103K50 CKSRYB104K16
E	C 1427 C 1429 C 1430 C 1431 C 1442	220μF/16V	CCSRCH6R0D50 CKSRYB103K50 CKSRYB104K16 CEV100M16 CCH1301	(	C 1619 C 1620 C 1621 C 1622 C 1623		CKSRYB104K16 CKSRYB104K16 CKSRYB103K50 CKSRYB103K50 CKSRYB103K50
•	C 1501 C 1504 C 1505 C 1506 C 1507		CKSQYB105K16 CKSQYB105K16 CKSQYB105K16 CKSQYB105K16 CKSQYB105K16	(	C 1821 C 1822 C 1823 C 1824 C 1825		CKSRYB823K16 CKSRYB104K25 CKSRYB103K50 CKSRYB104K16 CKSRYB102K50
F	C 1508 C 1509 C 1510 C 1511 C 1512		CKSQYB105K16 CKSQYB105K16 CKSQYB105K16 CKSQYB105K16 CKSQYB105K16	(	C 1826 C 1861 C 1862 C 1863 C 1864		CKSRYF104Z25 CKSRYB105K10 CKSRYB103K50 CKSYB106K6R3 CKSRYB104K25
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Circuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.		
0.4005	000001400450	0.0040		01/00//04/00//50		
C 1865 C 1866	CCSRCH102J50 CKSRYB104K16	C 2849 C 2851		CKSSYB102K50 CKSRYF103Z50		
						Α
C 1871	CKSRYF103Z50	C 2879		CEV470M16		
C 1872	CKSRYB104K25	C 2880		CKSRYF104Z25		
C 1873	CKSRYB334K10	C 2886		CKSRYF104Z25		
C 1874	CKSRYF103Z50	C 2887		CKSRYF104Z25		
C 1875	CEV101M16					
C 1876	CEV470M16					-
C 1877	CKSRYB104K16	<u>Monitor U</u>	<u>nit</u>			
C 1878	CKSRYF104Z25	<u>Consists</u>	<u>of</u>			
C 1879	CKSRYB474K10	Monitor F	<u>PCB</u>			
C 1880	CKSRYB104K25	Upper PC	В			
C 1881	CKSRYB104K25	Inverter F				_
C 1882	CEV470M16	<u> IIIVCI (CI I</u>	<u> </u>			В
C 1901	CEV101M16					
2 1001	02 1 10 111110	GH				
C 1902	CEV101M16			\/\C\\/4/E\\/\		
C 1903	CKSRYB104K16	Unit Nur	nber:CWM9134(A	VIC-X1/EW)		
C 1904	CKSRYB104K25	Unit Nur	nber:CWM9135(A	VIC-N1/UC)		
C 1905	CKSRYB103K50		ne:Monitor Unit	,		
C 1906	CKSRYB103K50	Offic Nai	ile.iwioilitoi oliit			
		MISCELLA	ANFOUS			
C 1907	CKSRYB103K50	MIGGELLA				
C 1908	CEV101M16	IC 4001	IC	TC90A64AF-P		
C 1910	CEV101M16	IC 4061	IC	TC7SH08FU		
C 1911	CKSRYB104K25	IC 4141	IC	TC7SH08FU		С
C 1912	CKSRYB103K50	IC 4142	IC	TK15404AMI		
0.4042	CKCD/D400KE0	IC 4151	IC	NJM2138V		
C 1913 C 1914	CKSRYB103K50 CKSRYB103K50					
C 1914 C 1915	CEV101M16	IC 4181	IC	NJM082BV		
C 1916	CEV101M16	IC 4212	IC	TC7SH08FU		
C 1916	CEV101M16	IC 4311	IC	NJM062V		
6 1917	CLVIOIMIO	IC 4601	IC	PE5413A		
C 1918	CKSRYB103K50	IC 4602	IC	S-80835CNNB-B8U		
C 1919	CEV101M16					
C 1920	CKSRYB103K50	IC 4651	IC	S-93C46BR0I-J8T1		
C 1921	CKSRYB103K50	IC 4701	IC	PD6340A		
C 1922	CKSRYB104K16	IC 4702	IC	TC7SH08FU		D
		IC 4841	IC	R1130H251B		_
C 1923	CEV470M16	IC 4851	IC	R1224N102H		
C 1924	CKSRYB103K50	10.4004	10	1447/47405115		
C 1925	CEV220M16	IC 4861	IC	MAX1748EUE		
C 1950	CEV101M16	IC 4901	IC	NJM2903V		
C 1951	CKSRYB103K50	IC 5002	IC	TC7SET08FU		
		IC 5003 IC 5004	IC FET	OZ961IS SI6544DQ		
C 1952	CKSRYB103K50	10 3004	FEI	310344DQ		
C 1953	CEV101M16	IC 5005	FET	SI6544DQ		
C 1954	CEV101M16	Q 4002	Transistor	2SC4617		
C 1955	CKSRYB103K50	Q 4101	Transistor	2SC4617		
C 1956	CKSRYB103K50	Q 4102	Transistor	2SA1774		
0.4057	OE)/404M46	Q 4103	Transistor	2SC4617		Ε
C 1957	CEV101M16					
C 2813	CKSRYF104Z25	Q 4111	Transistor	2SC4617		
C 2814 C 2831	CKSRYF104Z25 CEVW100M16	Q 4112	Transistor	2SA1774		
C 2832	CEVW100M16	Q 4113	Transistor	2SC4617		
0 2002	CEVVVIOOIVITO	Q 4121	Transistor	2SC4617		
C 2833	CKSRYB222K50	Q 4122	Transistor	2SA1774		
C 2834	CKSRYB222K50					
C 2837	CEVW100M16	Q 4123	Transistor	2SC4617		
C 2838	CEVW100M16	Q 4131	Transistor	2SC4617		
C 2839	CKSRYB222K50	Q 4132	Transistor	2SA1774		
		Q 4133	Transistor	2SC4617		
C 2840	CKSRYB222K50	Q 4151	Transistor	UMZ1N		F
C 2843	CEVW100M16	A .:==	The sector	1.18.477.48.1		
C 2844	CEVW100M16	Q 4152	Transistor	UMZ1N		
C 2845	CKSRYB222K50	Q 4153	Transistor	UMZ1N		
C 2846	CKSRYB222K50	Q 4154	Transistor	UMZ1N		
		AVIC-N1/UC	<u>_</u>		179	
■ 5 ■	6		7 -	8		

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Cir	cuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.
Q 4155	Transistor	UMZ1N	D 5006	LED(X1/EW)	CL-195SR-CD
Q 4156	Transistor	UMZ1N	D 5007	LED	CL-190UB2-X
Q +150	Hansistor	OMETIN	D 3007	LLD	OL 1900B2 X
Q 4182	Transistor	UMX2N	D 5008	LED	CL-190UB2-X
Q 4183	Transistor	UMT2N	D 5009	Diode	RB751V40
Q 4603	Transistor	2SC4617	D 5010	Diode	UDZS6R2(B)
Q 4681	Transistor	IMD2A	D 5011	Diode	UDZS6R2(B)
Q 4682	Transistor	IMD2A	D 5012	Diode	UDZS6R2(B)
					, ,
Q 4683	Transistor	FMG12	D 5013	Diode	MA147
Q 4741	Transistor	DTA123JK	D 5014	Diode	MA147
Q 4742	Transistor	DTC124EK	D 5016	Diode	UDZS5R6(B)
Q 4831	Transistor	2SB1260	D 5030	Diode(X1/EW)	DAN202U
Q 4832	Transistor	DTC114EK	D 5101	Diode	UDZS8R2(B)
0 4000	Turnistan	0004047	1 4004	la divata s	OTE4000
Q 4833	Transistor	2SC4617	L 4001	Inductor	CTF1306
Q 4835	Transistor	2SD1664	L 4002	Inductor	CTF1306
Q 4851	FET	CPH6316	L 4003	Inductor	CTF1306
Q 5001	Transistor	2SC4617	L 4004	Inductor	CTF1306
Q 5002	Transistor	2SC4617	L 4005	Inductor-Array	CTF1421
Q 5003	Transistor	DTA144EE	L 4006	Inductor-Array	CTF1421
Q 5004	Transistor	2SC4617	L 4008	Inductor	CTF1306
Q 5011	Transistor	2SC4081	L 4009	Inductor	CTF1306
Q 5020	Transistor	2SC4617	L 4011	Inductor	CTF1306
Q 5101	Transistor	2SC4617	L 4012	Ferrite Bead	CTF1528
Q 5102	Transistor	2SC4617	L 4013	Ferrite Bead	CTF1528
Q 5103	Transistor	2SA1774	L 4014	Ferrite Bead	CTF1528
Q 5105	Transistor	UMX2N	L 4015	Inductor	CTF1306
D 4301	Diode	DAN202U	L 4016	Ferrite Bead	CTF1528
D 4301	Diode	AM-30-21	L 4017	Inductor	CTF1306
5 7011	51000	/ IIII 00 21	<u> </u> - <del>1</del> ∪1/	madoloi	311 1000
D 4321	LED	CL-490S-WF-SD	L 4071	Inductor	LCKA100J2520
D 4322	LED	CL-490S-WF-SD	L 4074	Inductor	LCKA100J2520
D 4355	LED	CL-190UB2-X	L 4075	Inductor	LCKB100K2520
					LCKA100J2520
D 4356 D 4357	LED LED	CL-190UB2-X CL-190UB2-X	L 4078 L 4079	Inductor Inductor	CTF1306
D 4331	LLD	CL-1900B2-X	L 40/9	ITIQUCIOI	C11-1300
D 4358	LED	CL-190UB2-X	L 4081	Inductor	LCYC2R2K2125
D 4601	Diode	RB500V-40	L 4101	Inductor	LCKA100J2520
D 4681	Diode	MA111	L 4141	Inductor	LCKA100J2520
D 4682	Diode	MA111	L 4151	Inductor	LCKA100J2520
D 4683	Diode	UDZS5R6(B)	L 4152	Inductor	LCKA100J2520
D 4684	Diode	UDZS5R6(B)	L 4181	Inductor	LCKA101J2520
D 4701	Diode	UDZS5R6(B)	L 4182	Inductor	LCKA101J2520
		` '			
D 4702	Diode	UDZS5R6(B)	L 4311	Inductor	LCKA100J2520
D 4703	Diode	UDZS5R6(B)	L 4601	Inductor	LCKA100J2520
D 4704	Diode	UDZS5R6(B)	L 4701	Inductor	LCKA100J2520
D 4705	Diode	UDZS5R6(B)	L 4801	Inductor	LCKA100J2520
		` '			
D 4706	Diode	UDZS5R6(B)	L 4802	Inductor	LCKA100J2520
D 4831	Diode	UDZS22(B)	L 4803	Inductor	LCKA100J2520
D 4835	Diode	UDZS5R6(B)	L 4804	Inductor	LCKA100J2520
D 4852	Diode	U2FWJ44N	L 4841	Choke Coil 10µH	CTH1249
D 4001	D'. d.	DD400M 00		Ohala O "140 !!	OT14050
D 4861	Diode	RB160M-30	L 4851	Choke Coil 10µH	CTH1259
D 4862	Diode	RB500V-40	L 4852	Choke Coil 18µH	CTH1250
D 4863	Diode	RB500V-40	L 4861	Choke Coil 10µH	CTH1249
D 4864	Diode	RB500V-40	L 4862	Choke Coil 6.8µH	CTH1248
D 4865	Diode	RB500V-40	L 4863	Inductor	LCTC100K1608
D 4866	Diode	RB500V-40	L 4864	Inductor	LCKA100J2520
D 4867	Diode	RB500V-40	L 4865	Inductor	LCKA100J2520
D 4868	Diode	RB500V-40	L 4901	Inductor	LCKA2R2J2520
D 4869	Diode	RB500V-40	T 5001	Transformer	CTT1103
D 5001	Diode	UDZS6R8(B)	TH4601	Thermistor	CCX1051
D 5003	LED	CL-195PG-CD	X 4001	Crystal Resonator 42MHz	CSS1604
D 5004	LED(X1/EW)	CL-195SR-CD	X 4601	Radiator 12.58MHz	CSS1601
D 5005	LED	CL-195PG-CD	X 4701	Ceramic Resonator 4.97MH	Iz CSS1573
		AVIC-N1/			
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	Circuit Symbol an	d No. Part No.	Circu	iit Symbol and No. Part No.
S 4	-	CSG1111	R 4120	RS1/16S391J
S 4		CSG1111	R 4121	RS1/16S153J
0 1	002 Tuon Owiton	0001111	R 4122	RS1/16S104J A
S 4	353 Push Switch	CSG1111	17 4122	KG1/1001040 A
S 4		CSG1111	R 4123	RS1/16S681J
S 5		CSG1111	R 4124	RS1/16S331J
S 5		CSG1111	R 4125	RS1/16S75R0D
S 5		CSG1111	R 4128	RS1/16S331J
3 3	503 Fusii Switch	CSGTTT	R 4129	RS1/16S391J
VR5	001 Semi-fixed 15KΩ	(B) CCP1424	17 4129	NS 1/10359 10
FU4		CEK1252	R 4130	RS1/16S391J
FU5		CEK1252 CEK1255	R 4130	RS1/16S153J
FUS	001 Fuse 1.25A	CER 1255	R 4131	RS1/16S104J
DEC	NETORE		R 4133	RS1/16S681J
KES	<u>SISTORS</u>		R 4133	RS1/16S331J
		50.//.50.	K 4134	
R 4		RS1/16S101J	D 4425	B = 0.00 / 0.00
R 4		RS1/16S470J	R 4135	RS1/16S75R0D
R 4		RS1/16S101J	R 4138	RS1/16S331J
R 4		RS1/16S101J	R 4139	RS1/16S391J
R 4	005	RS1/16S473J	R 4140	RS1/16S391J
			R 4141	RS1/16S105J
R 4	006	RS1/16S392J	_	RS1/16S224 I
R 4	009	RS1/16S152J	R 4142	101/1002240
R 4	010	RS1/16S331J	R 4145	RS1/16S1501D
R 4	012	RS1/16SS105J	R 4146	RS1/16S5602F
R 4	013	RS1/16S391J	R 4147	RS1/16S3302F
			R 4148	RS1/16S1002F
R 4	014	RAB4C101J		
R 4	015	RS1/16S473J	R 4150	RS1/16S183J C
R 4	018	RS1/16S101J	R 4152	RS1/16S3901F
R 4	022	RS1/16S101J	R 4153	RS1/16S1501F
R 4	023	RS1/16S0R0J	R 4154	RS1/16S102J
			R 4155	RS1/16S102J
R 4	024	RS1/16S333J		
R 4		RS1/16S101J	R 4156	RS1/16S1501F
R 4		RS1/16S101J	R 4157	RS1/16S3901F
R 4		RS1/16S101J	R 4160	RS1/16S1002F
R 4		RS1/16S101J	R 4161	RS1/16S1802F
1 7		1101/1001010	R 4162	RS1/16S102J
R 4	031	RS1/16S101J		
R 4		RS1/16S473J	R 4163	RS1/16S3901F
R 4		RS1/16S152J	R 4164	RS1/16S1501F D
R 4		RS1/16S0R0J	R 4165	RS1/16S102J
R 4		RS1/16S0R0J	R 4166	RS1/16S272J
11 4	004	1(31/10301(03	R 4167	RS1/16S102J
R 4	084	RS1/16S473J		
R 4		RS1/16S473J	R 4168	RS1/16S272J
R 4		RS1/16S473J	R 4169	RS1/16S102J
R 4		RS1/16S104J	R 4170	RS1/16S272J
R 4		RS1/16S104J	R 4171	RS1/16S331J
K 4	000	K31/1031043	R 4172	RS1/16S103J
R 4	000	RS1/16S104J		
R 4		RS1/16S8201F	R 4174	RS1/16S331J
			R 4175	RS1/16S103J
R 4		RS1/16S5602F	R 4177	DO1/1000011
R 4		RS1/16S681J	R 4178	RS1/16S331J E RS1/16S103J
R 4	104	RS1/16S331J	R 4180	RS1/16S243J
D 4	105	DC1/16C104 I	11.00	110 17 1002 100
R 4		RS1/16S104J	R 4181	RS1/16S3002F
R 4		RS1/16S6801D	R 4182	RS1/16S223J
R 4		RS1/16S331J	R 4183	RS1/16S1203F
R 4		RS1/16S391J	R 4184	RS1/16S1203F RS1/16S1602F
R 4	110	RS1/16S391J	R 4185	RS1/16S1602F RS1/16S1502F
_	444	D04/4504-5	N 4100	NO 1/ 100 1002F
R 4		RS1/16S153J	D 4406	DC4/46C4000F
R 4		RS1/16S104J	R 4186	RS1/16S1002F
R 4		RS1/16S681J	R 4187	RS1/16S1002F
R 4		RS1/16S331J	R 4188	RS1/16S101J
R 4	115	RS1/16S75R0D	R 4189	RS1/16S153J F
_	440	BA.//	R 4190	RS1/16S100J
R 4		RS1/16S331J	R 4191	RS1/16S153J
R 4	119	RS1/16S391J	R 4191 R 4192	RS1/16S100J
_	5	<b>•</b> 6	AVIC-N1/UC	7 <b>=</b> 8

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	Circuit Symbol and No.	Part No.	Ci	rcuit Symbol and No.	Part No.
	R 4193	RS1/16S0R0J	R 4670	<u> </u>	RS1/16S1502D
	R 4194	RS1/16S0R0J	R 4681		RS1/16S105J
Α	R 4208	RS1/16S101J	R 4682		RS1/16S105J
	B 4000	504450454	D 4000		D0.//.00./.00./
	R 4209 R 4211	RS1/16S101J RS1/16S681J	R 4683 R 4684		RS1/16S102J RS1/16S102J
	R 4311	RS1/16S275J	R 4701		RS1/16S102J
	R 4312	RS1/16S105J	R 4702		RS1/16S101J
	R 4313	RS1/16SS393J	R 4703		RS1/16S101J
	R 4314	RS1/16S103J	R 4704		RS1/16S101J
	R 4315	RS1/16SS121J	R 4705		RS1/16S471J
	R 4321 R 4322	RS1/16SS121J RS1/16SS121J	R 4707 R 4709		RS1/16S0R0J RS1/16SS472J
	R 4323	RS1/16SS121J	R 4711		RS1/16S471J
В		110 17 1000 12 10			
	R 4324	RS1/16SS121J	R 4741		RS1/16S0R0J
	R 4359	RS1/16SS181J	R 4742		RS1/16S0R0J
	R 4360	RS1/16SS121J	R 4743		RS1/16S473J
	R 4361	RS1/16SS121J	R 4802		RS1/16S0R0J
	R 4362	RS1/16SS121J	R 4803		RS1/16S333J
	R 4363	RS1/16SS181J	R 4804		RS1/16S0R0J
	R 4364	RS1/16SS121J	R 4805		RS1/16S0R0J
	R 4365	RS1/16SS121J	R 4806		RS1/16S0R0J
	R 4366	RS1/16SS121J	R 4831		RS1/16S153J
	R 4453	RS1/16S101J	R 4832		RS1/16S472J
	R 4454	RS1/16S101J	R 4833		RS1/16S472J
С	R 4601	RS1/16S473J	R 4834		RS1/16S103J
	R 4602	RS1/16S473J	R 4835		RS1/16S121J
	R 4603	RS1/16S473J	R 4851		RS1/16S5102D
	R 4604	RS1/16SS471J	R 4852		RS1/16S2202D
	D 4005	DC4/4000474 I	D 4052		DC4/400070 I
	R 4605 R 4606	RS1/16SS471J RAB4CQ471J	R 4853 R 4854		RS1/16S272J RS1/16S100J
	R 4607	RAB4CQ471J	R 4855		RS1/16S102J
	R 4608	RS1/16SS471J	R 4858		RS1/16S560J
	R 4610	RS1/16SS471J	R 4859		RS1/16S100J
	B 4044	D04/4004704	D 4004		D04/4004044
_	R 4611 R 4612	RS1/16S470J RS1/16S470J	R 4861 R 4862		RS1/16S104J RS1/16S102J
D	R 4613	RS1/16S272J	R 4863		RS1/16S1025
	R 4614	RS1/16S272J	R 4864		RS1/16S2001F
	R 4615	RS1/16SS471J	R 4865		RS1/16S3302F
	R 4616	RS1/16S104J	R 4866		RS1/16S2401F RS1/16S5602F
	R 4617 R 4618	RS1/16S473J RS1/16SS471J	R 4867 R 4868		RS1/16S2703F
	R 4619	RS1/16S473J	R 4869		RS1/16S5602F
	R 4621	RS1/16S223J	R 4901		RS1/16S103J
	R 4622	RS1/16S473J	R 4902		RS1/16S103J
	R 4623	RS1/16S0R0J	R 4903		RS1/16S392J
Е	R 4624 R 4625	RAB4CQ473J RS1/16S103J	R 4904 R 4905		RS1/16S912J RS1/16S2003F
	R 4626	RS1/16S473J	R 4906		RS1/16S153J
	R 4627	RAB4CQ472J	R 4907		RS1/16S153J
	R 4628	RS1/16S0R0J	R 5001	(X1/EW)	RAB4CQ181J
	R 4629	RS1/16S473J RS1/16S0R0J	R 5002		RAB4CQ151J RS1/16S103J
	R 4630 R 4631	RAB4CQ471J	R 5003 R 5004		RAB4CQ151J
	17 4001	TVAD-TOQ+710	17 3004		TADTOQ 1010
	R 4642	RS1/16S473J	R 5005		RS1/16S104J
	R 4646	RS1/16S473J	R 5006		RS1/16S102J
_	R 4650	RS1/16SS471J	R 5007		RS1/16S473J
F	R 4651 R 4652	RAB4CQ471J RS1/16SS471J	R 5008 R 5009		RS1/16S473J RS1/16S105J
	1. 7002	1301/10004/1J	17 2008		1301/1001000
	R 4655	RS1/16S102J	R 5010		RS1/16S333J
	R 4657	RS1/16SS0R0J	R 5011		RS1/16S513J
_	182	2	AVIC-N1/UC	- <del>-</del>	4
	1 -	2		3	4

Circuit Syr	mbol and No. Part No.	Circ	uit Symbol and No.	Part No.	
•			uit Symbol and No.		
R 5014	RS1/16S102J	C 4040		CKSSYF104Z16	
R 5015	RS1/16S105J	C 4042		CCSRCH181J50	
R 5016	RS1/16S563J	C 4045		CCSRCH9R0D50	Α
		C 4046		CCSRCH9R0D50	
R 5017	RS1/16S103J				
R 5018	RS1/16S103J	C 4047		CKSSYF104Z16	
R 5019	RS1/16S511J	C 4048		CKSSYF104Z16	
R 5020	RS1/16S821J	C 4049		CKSSYF104Z16	
R 5022	RS1/16SS181J	C 4050		CKSRYB105K6R3	_
		C 4051		CKSSYF104Z16	
R 5023	RS1/16SS0R0J				
R 5024 (X1/EW	V) RS1/16SS151J	C 4052		CKSSYF104Z16	
R 5030 (N1/UC	C) RS1/16S470J	C 4054		CCSRCH101J50	
R 5031	RS1/16S332J	C 4055		CKSRYF104Z25	
R 5101	RS1/16S101J	C 4061		CKSRYF104Z25	
		C 4062		CCSRCH390J50	В
R 5102	RS1/16S103J				
R 5103	RS1/16S471J	C 4071		CSZS100M10	
R 5104	RS1/16S101J	C 4074		CKSRYB105K6R3	
R 5105	RS1/16S104J	C 4075		CKSRYB105K6R3	
R 5106	RS1/16S103J	C 4101		CKSYF106Z10	
		C 4102		CCSRCH470J50	
R 5107	RS1/16S473J	3 4102			
R 5108	RS1/16S101J	C 4103		CCSRCH470J50	_
R 5109	RS1/16S824J	C 4103		CKSRYF104Z25	
1. 0100	13 1/1000240	C 4104		CSZS100M10	
CAPACITORS		C 4105		CKSYF106Z10	
CAPACITORS		C 4107		CKSYF106Z10	
0.4004	OL/OD/D 405L/OD			CN311100210	
C 4001	CKSRYB105K6F			CCSRCH470J50	С
C 4002	CKSSYF104Z16	0 4440			
C 4003	CKSSYF104Z16	0 4444		CCSRCH470J50	
C 4004	CKSSYF104Z16			CKSRYF104Z25	
C 4005	CKSSYF104Z16			CKSYF106Z10	
		C 4122		CCSRCH470J50	
C 4006	CKSSYF104Z16				
C 4007	CKSSYF104Z16			CCSRCH470J50	-
C 4008	CKSSYF104Z16			CKSRYF104Z25	
C 4009	CKSSYF104Z16			CKSYF106Z10	
C 4010	CKSSYF104Z16	C 4132		CCSRCH470J50	
		C 4133		CCSRCH470J50	
C 4011	CKSSYF104Z16				
C 4012	CKSSYF104Z16	C 4134		CKSRYF104Z25	D
C 4013	CKSRYB392K50	0 4440		CKSQYB225K10	
C 4015	CKSRYB105K6R			CKSRYB105K6R3	
C 4016	CKSSYF104Z16			CKSRYF104Z25	
0 4010	01.0011 104210	C 4143		CSZS100M10	
C 4017	CKSSYF104Z16				
C 4018	CKSRYB104K16			CKSRYF104Z25	_
C 4018	CKSRYB104K16	0 4445		CKSRYF104Z25	
C 4019 C 4020	CKSRYB104K16			CSZSR220M16	
C 4020 C 4021	CKSSYF104K10	0 4450		CKSRYB103K50	
U 4021	CK551F104Z16	C 4153		CCSRCH4R0C50	
C 4022	CK66/E104746				
C 4022 C 4023	CKSSYF104Z16	0 4454		CCSRCH4R0C50	
	CKSSYF104Z16	0 4455		CCSRCH4R0C50	_
C 4024	CKSSYF104Z16	0 4450		CKSRYF104Z25	E
C 4025	CKSSYF104Z16	0 4400		CKSRYF104Z25	
C 4026	CKSSYF104Z16	C 4160		CKSRYF104Z25	
0.4007	01/00/15404740			CNSINTI 104223	
C 4027	CKSSYF104Z16	0 4400		CKSRYF104Z25	
C 4028	CKSSYF104Z16	0 4400		CKSRYB105K6R3	
C 4029	CKSSYF104Z16	0 4404		CKSRYB105K6R3	
C 4030	CKSRYB104K16	0 4405		CKSRYB105K6R3	
C 4031	CKSSYF104Z16	C 4165 C 4166		CKSRYF104Z25	
0.4000	0//00//=/			ONOINT TU4ZZO	
C 4032	CKSSYF104Z16	- · · · -		CKSRYF104Z25	
C 4033	CKSSYF104Z16	0 4400			
C 4034	CKSSYF104Z16	0 4400		CKSRYF104Z25	_
C 4035	CKSRYB103K50	0		CKSRYB103K50	F
C 4036	CCSRCH4R0C5			CSZSR220M16	
		C 4171		CSZSR220M16	
C 4037	CKSSYF104Z16			CC7CD000M440	
		C 4181		CSZSR220M16	
		AVIC-N1/UC			183
<b>-</b> 5	6		<i>1</i>	8	

**a** 6 **b** 7 **a** 8

	1 -	2	3		4
	Circuit Symbol and No.	Part No.	Circuit	Symbol and No.	Part No.
	C 4182	CKSRYF104Z25	C 4859	-	CKSRYB224K16
	C 4183	CSZSR4R7M25	C 4860		CKSYF106Z10
Α	C 4184	CKSRYF104Z25	C 4861		CKSYF106Z10
	C 4186	CKSRYF104Z25	C 4862		CCSRCH100D50
	C 4188	CKSRYF104Z25	C 4863		CKSRYB683K16
	C 4225	CKSRYF104Z25	C 4864		CKSRYB104K16
	C 4311	CKSRYB224K16	C 4865		CKSRYB471K50
_	C 4312	CKSRYB104K16	C 4866		CKSRYB224K16
	C 4313	CKSRYB104K16	C 4867		CKSRYB104K16
	C 4314	CKSRYB104K16	C 4868		CKSRYB104K16
	C 4315	CKSRYB104K16	C 4869		CKSRYB104K16
	C 4321	CKSRYB104K16	C 4870		CKSRYB224K16
	C 4322	CKSRYB104K16	C 4871		CKSRYB224K16
В	C 4375	CKSRYB104K16	C 4872		CKSRYB104K16
	C 4376	CKSRYB104K16	C 4873		CKSQYB105K16
	C 4376 C 4377	CKSRYB104K16	C 4874		CKSQYB474K25
	C 4378	CKSRYB104K16	C 4875		CKSRYB104K16
	C 4601	CSZSR330M10	C 4876		CKSQYB474K25
_	C 4602	CKSRYF104Z25	C 4877		CKSQYB105K16
	0.1000	01/05)/5/0/50	0.40=0		01/05/15 10 11/10
	C 4603	CKSRYF104Z25	C 4878		CKSRYB104K16
	C 4605 C 4621	CKSRYF104Z25 CKSRYB103K50	C 4879 33 C 4881	μF/10V	CCH1586 CKSRYF104Z25
	C 4621 C 4631 10µF	CCG1138	C 4882		CKSRYF104Z25
	C 4632 10µF	CCG1138	C 4883		CKSRYF104Z25
С	·				
	C 4651	CKSRYF104Z25	C 4884		CKSRYB104K16
	C 4670	CKSSYF104Z16		μF/6.3V	CCH1440
	C 4681	CKSRYB102K50	C 4886		CKSRYF104Z25
	C 4682 C 4683	CKSRYB102K50 CKSRYB102K50	C 4887 C 4901		CKSRYF104Z25 CKSRYF104Z25
	0 4000	ONOINI DIOZNOO	0 4301		ONON 11 104220
	C 4684	CKSRYB102K50	C 4902		CSZSR220M10
	C 4685	CKSRYB102K50	C 4903		CFHSQ562J16
	C 4686	CKSRYB102K50	C 4904		CSZSR330M10
	C 4687 C 4701	CKSRYF104Z25 CSZSR330M10	C 4905 C 5001		CKSRYB102K50 CKSRYB104K16
	C 4701	COZONOSOWITO	C 3001		CNSKTD104KT0
D	C 4702	CKSSYF104Z16	C 5002		CKSRYB105K6R3
	C 4704	CKSRYF104Z25	C 5003		CSZSR330M10
	C 4801	CSZSR4R7M25	C 5004		CKSRYB104K16
	C 4802 C 4803	CKSRYF104Z25 CSZS100M10	C 5005 C 5006		CKSRYB104K16 CKSRYB104K16
	C 4603	C323100W10	C 5006		CN3K10104K10
_	C 4804	CKSRYF104Z25	C 5007		CKSRYB105K6R3
	C 4805	CSZSR330M10	C 5008		CKSQYB335K6R3
	C 4806	CKSRYF104Z25	C 5010		CKSRYB104K16
	C 4807 C 4808	CSZSR33M35 CKSRYF104Z25	C 5011 C 5012		CKSRYB332K50 CKSRYB105K6R3
	C 4000	CRORTI 104223	C 3012		CNOINTETOURONS
	C 4809	CKSSYF104Z16	C 5013		CKSRYB152K50
Е	C 4810	CKSSYF104Z16	C 5014		CKSRYB104K16
	C 4831	CKSSYF104Z16	C 5015		CKSRYB473K50
	C 4832	CKSRYF104Z25 CKSRYF104Z25	C 5016		CKSRYB103K50
	C 4835	CKSK1F104Z25	C 5017		CFHSQ221J50
	C 4836	CKSRYF104Z25	C 5018		CKSRYB473K50
_	C 4841	CKSRYB105K6R3		μF	CCG1138
	C 4843 68µF/6.3V	CCH1440	C 5020 10	μF	CCG1138
	C 4844	CKSRYF104Z25	C 5021		CKSQYB105K16
	C 4851	CKSRYB104K16	C 5022		CKSQYB105K16
	C 4852 68µF/6.3V	CCH1440	C 5023 22	pF	CCG1140
	C 4853	CKSRYB104K16	C 5024	•	CKSRYB223K50
F	C 4855 10µF	CCG1138	C 5101		CKSRYB104K16
	C 4856	CCSRCH102J50	C 5102		CKSRYB104K16
	C 4857	CCSRCH681J50			
	C 4858 10µF	CCG1138			
	184	AVIC	C-N1/UC		
	1 -	2	3		4

•	5	6	-	7	8	•
<u>Circ</u>	uit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.	
<b>Keyboard</b>	<u>l Unit</u>		R 5505		RS1/16S122J	
Consists	of		2 5500		: // - C - O - I	
Keyboard	<del></del>		R 5506		RS1/16S202J	Α
Panel PC			R 5507		RS1/16S122J	
<u> 1 4110</u>	<u>,D</u>		R 5508		RS1/16S151J	
			R 5509	(\/4 /E\A/\	RS1/16S151J	
			R 5510	(X1/EW)	RS1/16S181J	
Unit Nu	L	\//C V4/E\//\	R 5511		RS1/16SS121J	
	mber:CWM9132(A					
Unit Nur	mber:CWM9133(A	VIC-N1/UC)	R 5512		RS1/16SS121J	_
	me:Keyboard Unit	•	R 5513 R 5514		RS1/16S202J RS1/16S392J	
Ullit Hai	ille.Neyboara onin		R 5514 R 5515		RS1/16S392J RS1/16S123J	
MICCELL	ANEOUS		1, 0010		101/1001200	
MISCELL	ANEOUS		R 5516		RS1/16S102J	
:= ==04	· <del>-</del>	==\/2250 04	R 5517		RS1/16S151J	В
IC 5501	IC	SBX3050-01	R 5518		RS1/16S820J	٥
D 5501	Diode(X1/EW)	DAN202U	R 5519		RS1/16SS121J	ŀ
D 5504	LED	CL-190UB2-X	R 5520		RS1/16S151J	
D 5505	LED	CL-190UB2-X	17 0020		101/1001010	ŀ
D 5509	LED	CL-190UB2-X	R 5521		RS1/16S151J	ŀ
_			R 5522		RS1/16SS121J	ŀ
D 5510	LED	CL-190UB2-X	R 5522 R 5524		RS1/16SS121J	
D 5512	LED(X1/EW)	CL-195SR-CD	R 5524 R 5525		RS1/16S3121J RS1/16S472J	_
D 5513	LED	CL-195PG-CD	R 5526	(X1/EW)	RS1/16S0R0J	ŀ
D 5514	LED(X1/EW)	CL-195SR-CD	N 5520	(\(\L\)	K91/1090100	ŀ
D 5515	LED	CL-195PG-CD	R 5527	(X1/EW)	RS1/16S181J	
			R 5528	(X1/EW)	RS1/16S181J	
D 5516	LED	CL-195PG-CD		(∧1/EVV)		
D 5517	LED(X1/EW)	CL-195SR-CD	R 5529		RS1/16S181J	С
D 5518	LED	CL-195PG-CD	R 5530 R 5531		RS1/16SS121J RS1/16S151J	
D 5519	LED(X1/EW)	CL-195SR-CD	L 0001		K51/1051515	
D 5520	LED(X1/EW)	CL-195SR-CD	D 5532		DC4/4666404	
			R 5532	~ · · · · · · · · · · · · · · · · · · ·	RS1/16SS121J	
D 5521	LED	CL-195PG-CD	R 5533	(X1/EW)	RS1/16S181J	
D 5522	LED	CL-195PG-CD	R 5534		RS1/16SS121J	
D 5524	LED	CL-190UB2-X	R 5535		RS1/16S470J	_
D 5526	LED	CL-190UB2-X	R 5536		RS1/16SS121J	
D 5527	Diode	UDZS6R8(B)	D EE37	O CA PENAN	DO4/400404 I	
		, ,	R 5537	(X1/EW)	RS1/16S181J	
D 5529	LED	CL-190UB2-X	R 5538		RS1/16SS121J	
D 5530	LED	CL-190UB2-X	R 5539	(X1/EW)	RS1/16S181J	_
D 5531	LED	CL-195SR-CD	R 5540		RS1/16SS121J	D
D 5534	LED	CL-195PG-CD	R 5541		RS1/16SS121J	
D 5536	Diode(X1/EW)	DAN202U	5, 5540	244	50:4004041	
	,		R 5542	(X1/EW)	RS1/16S181J	
D 5537	LED	CL-190UB2-X	R 5543		RS1/16SS121J	
D 5538	LED(X1/EW)	CL-195SR-CD	R 5544		RS1/16SS0R0J	
D 5540	LED	CL-190UB2-X	R 5545		RS1/16S0R0J	
D 5901	LED	SML-010VT	R 5546		RS1/16S0R0J	-
S 5501	Push Switch	CSG1111				
-			R 5547		RS1/16S0R0J	
S 5502	Push Switch	CSG1111	R 5548	(X1/EW)	RS1/16S0R0J	
S 5503	Push Switch	CSG1111	R 5549		RS1/16S122J	
S 5504	Push Switch	CSG1111	R 5550		RS1/16S392J	
S 5505	Push Switch	CSG1111	R 5551		RS1/16S0R0J	E
S 5506	Push Switch	CSG1111				
-			R 5558		RS1/16S121J	
S 5507	Push Switch	CSG1111	R 5561		RS1/16S121J	
S 5508	Push Switch	CSG1111	R 5563		RS1/16S101J	
S 5509	Push Switch	CSG1111	R 5565		RS1/16S121J	
S 5510	Encoder(VOLUME)	CSD1106	R 5566		RS1/16SS151J	_
S 5511	Switch(SELECT)	CSX1075				
	· ,		R 5568		RS1/16SS151J	
S 5901	Push Switch	CSG1111	R 5573		RS1/16S151J	
•	1 30.1 2		R 5574	(X1/EW)	RS1/16S181J	
RESISTO	PC		R 5575		RS1/16S151J	
INLUICIO	<u>NO</u>		R 5585		RS1/16S181J	
D 5501		DC4/460Q101 I				F
R 5501		RS1/16SS121J	R 5587		RS1/16S151J	
R 5502		RS1/16S202J	R 5588		RS1/16S151J	ĺ
R 5503		RS1/16S392J	R 5589		RS1/16S151J	
R 5504		RS1/16S123J	R 5590		RS1/16SS151J	
		1	AVIC-N1/UC			185
	5	6	7101010	7 -	8	- TOO

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	Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	R 5592	(N1/UC)	RS1/16S150J	L 1508	Inductor	CTF1473
	11 0002	(111/00)	1101/1001000	L 1509	Inductor	CTF1399
۸	R 5593	(N1/UC)	RS1/16S270J	L 1510	Inductor	CTF1409
Α	R 5596	(111100)	RS1/16S121J	L 1518	Inductor	CTF1385
	R 5597		RS1/16S820J	L 1520	Inductor	CTF1399
	R 5598		RS1/16S121J	2 1020	inductor	011 1000
	R 5599		RS1/16SS121J	L 1522	Inductor	CTF1395
	5555			L 1605	Inductor	CTF1379
	R 5904		RS1/16S151J	L 1701	Inductor	CTF1395
	555.			L 1702	Inductor	CTF1409
	<b>CAPACIT</b>	<u>rors</u>		L 1703	Inductor	CTF1473
	0 5500		0070040014000	L 1704	Inductor	CTF1473
	C 5509 C 5516		CSZSQ100M6R3	X 1501	Radiator 27MHz	CSS1609
	C 5516		CKSRYB103K50 CKSYB106K6R3	X 1701	Ceramic Resonator 4.97MHz	
В	C 5520		CNSTBTUONORS	VR1502	Semi-Fixed 2.2k $\Omega(B)$	CCP1444
	D			DEGIOTO	50	
		ımber:CWX2941		RESISTO	<u>KS</u>	
			/MC2\	R 1101		RS1/16SS101J
	unit Na	me:DVD Core Unit	:(IVIS3)	R 1102		RS1/16SS3R9J
_				R 1102		RS1/16SS3R9J
	<b>MISCELI</b>	<u>LANEOUS</u>		R 1104		RS1/16SS3R9J
		<del></del>		R 1105		RS1/16SS3R9J
	IC 1101	IC	AN8703FH	1. 1100		. 10 1, 100001100
	IC 1201	IC	BA5985FM	R 1106		RS1/16SS330J
	IC 1202	IC	AN8471SAT1	R 1107		RS1/16SS3R9J
	IC 1301	IC	MNZS26EDCUB	R 1107		RS1/16SS3R9J
С	IC 1401	IC	TC74LCX245FT	R 1109		RS1/16SS3R9J
J	-			R 1110		RS1/16SS3R9J
	IC 1402	IC	TC7SH04FU			
	IC 1403	IC	TC74LCX244FT	R 1111		RS1/16SS272J
	IC 1405	IC	TC74LCX244FT	R 1112		RS1/16SS472J
	IC 1501	IC	K4S641632F-TC75	R 1112		RS1/16SS102J
	IC 1502	IC	TC74VCX74FT	R 1124		RS1/16SS273J
	.5 1002	.•		R 1124 R 1125		RS1/16SS273J
	IC 1503	IC	MN677531KAUB	17 1120		1.01/10002/30
	IC 1504	IC	TC74VCX74FT	R 1126		RS1/16SS224J
	IC 1505	IC	TC7PA04FU	R 1130		RS1/16SS0R0J
	IC 1507	IC	SM8707FV	R 1131		RS1/16SS0R0J
	IC 1602	IC	NJM2100M	R 1131		RS1/16SS0R0J
D	.5 .502	-		R 1132		RS1/16S2402D
٥	IC 1604	IC	NJM2100V	1. 1100		101/10024020
	IC 1605	IC	PCM1742KE	R 1134		RS1/16S1002D
	IC 1701	IC	PE5395A	R 1135		RS1/16S2702D
	IC 1702	IC	M5M5V216ATP-70HI	R 1133 R 1140		RS1/16SS105J
	IC 1705	IC	PD6474A	R 1140 R 1141		RS1/16SS105J
_	.500	.•	. = •	R 1141		RS1/16SS105J
	IC 1706	IC	TC7SH08FU	11 1144		1.01/10001000
	Q 1101	Transistor	2SB1260	R 1151		RS1/16SS103J
	Q 1101 Q 1102	Transistor	2SB1260	R 1152		RS1/16SS103J
	Q 1103	Transistor	UN2211	R 1201		RS1/16SS1033
	Q 1103 Q 1104	Transistor	2SB709A	R 1201 R 1202		RS1/16SS393J
	<u> </u>			R 1202 R 1203		RS1/16SS393J
Е	Q 1105	Transistor	2SD601A	11 1200		1.01/10000000
_	Q 1201	Transistor	DTC124EU	R 1205		RS1/16SS0R0J
	Q 1501	Transistor	2SA1037K	R 1205 R 1206		RS1/16SS102J
	D 1101	Diode	1SS355	R 1206 R 1209		RS1/16SS102J
	D 1101	Diode	1SS355	R 1209 R 1210		RS1/16SS221J
	D 1102	Diodo	100000	R 1210 R 1211		RS1/16SS393J
	D 1301	Diode	UDZ2R7(B)	17 1211		. 10 1, 10000000
_	D 1302	Chip LED	CL205IRXTU	R 1212		RS1/16SS393J
	L 1301	Inductor	CTF1409	R 1213		RS1/16SS393J
	L 1302	Inductor	CTF1394	R 1214		RS1/16SS221J
	L 1303	Inductor	CTF1395	R 1215		RS1/16SS1R0J
	L 1305	Inductor	CTF1409	R 1216		RS1/16SS1R0J
F	L 1305 L 1504	Inductor	CTF1409 CTF1394	D 4040		DC4/46CC004 !
F				R 1218		RS1/16SS221J
	L 1505	Inductor	CTF1409	R 1219		RS1/16SS221J
	L 1506 L 1507	Inductor Inductor	CTF1473 CTF1473	R 1220		RS1/16SS221J
İ	L 1307	inductor	O11 1 <del>1</del> 73	R 1221		RS1/16SS822J
	186		AVIC-N	N1/UC		
		<u> </u>			_	

■ 5	6	-	7	=	8		
Circuit Symbol and No.	Part No.		Circuit Symbol	and No.	Part No.		
R 1222	RS1/16SS822J	R 1			RS1/16SS103J		
R 1223	RS1/16SS822J	D 1	409		RS1/16SS820J		
							Α
R 1224	RS1/16SS563J		410		RS1/16SS820J		
R 1225	RS1/16SS243J	R 1			RAB4CQ0R0J		
R 1226	RS1/16SS473J		412		RS1/16SS100J		
R 1227	RS1/16SS473J	R 1	413		RS1/16SS820J		
R 1228	RS1/16SS1R0J	R 1	414		RAB4CQ820J		
R 1229	RS1/16SS1R0J	R 1	415		RS1/16SS103J		
R 1230	RS1/16SS1R0J	R 1			RS1/16SS221J		
R 1232	RS1/16SS822J	R 1	-		RS1/16SS221J		
R 1233	RS1/16SS243J		423		RS1/16SS221J		
R 1234	RS1/16S391J		424		RS1/16SS221J		
R 1235	RS1/16S471J	R 1	425		RAB4CQ221J		В
R 1236	RS1/16SS513J	R 1	426		RAB4CQ221J		
R 1237	RS1/16SS513J	R 1	501		RS1/16SS220J		
R 1301	RS1/16SS222J	R 1	502		RAB4CQ220J		
D 4004	D04/40004044	5.4	500		D04/4004041		
R 1321	RS1/16SS104J		503		RS1/16S101J		
R 1322	RS1/16SS0R0J	R 1			RAB4CQ220J		
R 1323	RS1/16SS221J	R 1			RS1/16S101J		-
R 1324	RS1/16SS221J	R 1			RAB4CQ220J		
R 1334	RS1/16SS221J	R 1	512		RAB4CQ220J		
R 1336	RS1/16SS103J	D 1	518		RAB4CQ220J		
R 1337	RS1/16SS103J	R 1			RAB4CQ220J		
R 1338	RS1/16SS472J	R 1			RS1/16S0R0J		
							С
R 1339	RS1/16SS273J	R 1			RAB4CQ220J		
R 1340	RS1/16SS472J	K 1	533		RS1/16SS201J		
R 1341	RS1/16SS273J	R 1	534		RAB4CQ220J		
R 1342	RS1/16SS273J		538		RAB4CQ220J		
R 1344	RS1/16SS273J	R 1			RS1/16SS221J		
R 1349	RS1/16SS562J		542		RS1/16SS103J		
R 1350	RS1/16SS242J		543		RS1/16SS680J		
K 1350	101/10002420	IX I	<del></del>		10071000000		
R 1352	RS1/16S2702D	R 1	544		RS1/16SS0R0J		
R 1353	RS1/16SS102J	R 1	545		RS1/16SS0R0J		
R 1360	RS1/16SS153J	R 1	549		RS1/16SS0R0J		
R 1361	RS1/16SS105J	R 1	550		RS1/16SS0R0J		D
R 1362	RS1/16SS473J	R 1	551		RS1/16SS0R0J		_
R 1363	RS1/16SS101J		552		RS1/16SS471J		
R 1364	RS1/16SS123J	R 1	553		RS1/16S68R0D		
R 1365	RS1/16SS101J	R 1	554		RS1/16SS471J		
R 1367	RS1/16SS473J	R 1	555		RS1/16SS0R0J		_
R 1369	RS1/16SS473J	R 1	556		RS1/16SS750J		
D 4275	DC4/46CC402 I	D 4	EE7		RS1/16SS0R0J		
R 1375	RS1/16SS103J RS1/16SS103J		557				
R 1376		R 1			RS1/16SS622J		
R 1377	RS1/16SS103J	R 1			RAB4CQ0R0J		
R 1378	RS1/16SS103J		560		RS1/16SS122J		
R 1379	RS1/16SS103J	R 1	561		RS1/16SS162J		Ε
R 1380	RS1/16SS103J	R 1	562		RS1/16SS0R0J		
R 1383	RS1/16SS103J		563		RS1/16SS4R7J		
R 1391	RS1/16SS103J	R 1			RAB4CQ0R0J		
R 1392	RS1/16SS103J		565		RS1/16S101J		
R 1393	RS1/16SS103J		566		RS1/16S101J		
R 1394	RS1/16SS471J	R 1			RAB4CQ0R0J		
R 1395	RS1/16SS0R0J	R 1	568		RS1/16S101J		
R 1396	RS1/16SS0R0J	R 1	569		RS1/16S101J		
R 1401	RS1/16SS101J		570		RS1/16S101J		
R 1403	RAB4CQ220J	R 1			RS1/16S220J		
D 4404	DAD (06 :	_	F70		DAD400055		F
R 1404	RAB4CQ220J	R 1			RAB4CQ0R0J		
R 1405	RAB4CQ220J	R 1			RS1/16SS473J		
R 1406	RAB4CQ220J		574		RAB4CQ0R0J		
R 1407	RS1/16SS220J	R 1			RAB4CQ0R0J		
<b>5 5</b>	6	AVIC-N1/U	C 7		0	187	_
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	Circuit Symbol and No.	Part No.	Circuit Symbol and No	. Part No.
	R 1576	RAB4CQ0R0J	R 1731	RS1/16SS104J
	1070	TO ID-TO QUITOU	17 1701	1101/10001040
Α	R 1577	RAB4CQ0R0J	R 1732	RS1/16SS0R0J
	R 1578	RS1/16SS472J	R 1733	RS1/16SS104J
	R 1579	RS1/16SS101J	R 1734	RS1/16SS221J
	R 1587	RS1/16SS101J	R 1735	RS1/16SS104J
	R 1595	RS1/16SS472J	R 1736	RS1/16SS104J
	R 1596	RS1/16SS472J	R 1737	RS1/16SS104J
	R 1597	RS1/16SS104J	R 1738	RS1/16SS104J
	R 1598	RS1/16SS270J	R 1739	RS1/16SS330J
	R 1601	RS1/16SS821J	R 1740	RS1/16SS0R0J
	R 1602	RS1/16SS821J	R 1741	RS1/16SS0R0J
	R 1603	RS1/16SS0R0J	R 1742	RS1/16SS473J
В	R 1604	RS1/16SS0R0J	R 1746	RS1/16SS104J
	R 1605	RS1/16SS102J	R 1748	RS1/16SS104J
	R 1606	RS1/16SS102J	R 1749	RS1/16SS103J
	R 1607	RS1/16SS222J	R 1750	RS1/16SS473J
	R 1608	RS1/16SS222J	R 1751	RS1/16SS103J
	R 1609	RS1/16SS472J	R 1752	RS1/16SS104J
	R 1610	RS1/16SS472J	R 1753	RS1/16SS104J
	R 1611	RS1/16SS472J	R 1754	RS1/16SS104J
	R 1612	RS1/16SS472J	R 1756	RS1/16SS104J
	D 4042	D04/40004001	D 4757	DO4/4000 470 1
	R 1613	RS1/16SS103J	R 1757	RS1/16SS472J
_	R 1614 R 1615	RS1/16SS103J RS1/16SS472J	R 1758	RS1/16SS104J
С	R 1616	RS1/16SS472J	R 1759 R 1760	RS1/16SS104J RS1/16S1002D
	R 1626	RS1/16SS0R0J	R 1761	RS1/16SS105J
	1020	1101/100001100		1101/10001000
	R 1627	RS1/16SS0R0J	R 1762	RS1/16SS473J
	R 1628	RS1/16SS0R0J	R 1763	RS1/16SS104J
l _	R 1637	RS1/16SS104J	R 1764	RS1/16SS104J
	R 1638	RS1/16SS104J	R 1765	RS1/16SS104J
	R 1642	RS1/16SS221J	R 1767	RS1/16SS104J
	R 1643	RS1/16SS221J	R 1768	RS1/16SS473J
	R 1645	RS1/16SS0R0J	R 1769	RS1/16SS104J
	R 1647	RS1/16SS221J	R 1770	RS1/16SS473J
D	R 1648	RS1/16SS221J	R 1771	RS1/16SS473J
	R 1649	RS1/16SS101J	R 1773	RS1/16SS103J
	_			
	R 1650	RS1/16SS101J	R 1790	RS1/16SS473J
	R 1651	RS1/16SS101J	R 1792	RS1/16SS0R0J
	R 1653 R 1656	RS1/16SS473J RS1/16SS102J	R 1794 R 1795	RS1/16SS222J RS1/16SS104J
	R 1701	RS1/16SS473J	R 1795	RS1/16SS473J
	K 1701	K31/10334/30	K 1790	K31/10334/30
	R 1704	RS1/16SS473J	R 1797	RS1/16SS104J
	R 1706	RS1/16SS104J	R 1798	RS1/16SS104J
	R 1707	RS1/16SS221J	R 1801	RS1/16SS104J
	R 1708	RS1/16SS221J	R 1802	RS1/16SS104J
Е	R 1714	RS1/16SS221J	R 1803	RS1/16SS104J
	R 1715	RS1/16SS473J	R 1804	RS1/16SS102J
	R 1715 R 1716	RS1/16SS221J	R 1804 R 1805	RS1/16SS102J
	R 1717	RS1/16SS104J	17 1003	10001020
	R 1718	RS1/16SS104J	<u>CAPACITORS</u>	
_	R 1720	RS1/16SS104J	<u>OAI AOITORO</u>	
			C 1101	CSZSC470M16
	R 1721	RS1/16SS104J	C 1102	CSZSR470M6R3
	R 1722	RS1/16SS104J	C 1103	CKSSYB104K10
	R 1723	RS1/16SS104J	C 1104	CKSSYB103K16
	R 1724	RS1/16SS222J	C 1105	CSZSR101M6R3
_	R 1725	RS1/16SS223J	0.4400	01/00/04041440
F	R 1726	RS1/16SS104J	C 1106	CKSSYB104K10
	R 1720	RS1/16SS104J	C 1107	CKSSYB103K16
	R 1728	RS1/16SS104J	C 1108 C 1109	CKSSYB104K10 CKSRYB473K25
	R 1730	RS1/16SS221J	0 1109	UNUN 1 D4/ 3N20
	188		AVIC-N1/UC	
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Circuit Symbol and No.	Part No.	Circu	it Symbol and No.	Part No.	
C 1110	CKSRYB473K25	C 1334		CKSRYB102K50	
C 1111	CKSSYB103K16	C 1335		CKSSYB562K25	А
C 1112	CKSRYB105K10	C 1336		CKSSYB104K10	^
C 1113	CKSRYB105K10	C 1337		CKSRYB102K50	
C 1114	CKSSYB103K16	C 1338		CKSRYB102K50	
C 1114 C 1121	CKSSYB221K50	C 1339		CKSRYB102K50	
0.440	01/07)/7-0-01//-			01/00/15 +0 41/+0	
C 1122 C 1124	CKSRYB393K16 CKSSYB221K50	C 1340 C 1341		CKSSYB104K10 CCSSCH101J50	
					<del>-</del>
C 1125	CKSSYB104K10	C 1342		CKSRYB391K50	
C 1126 C 1127	CKSSYB104K10 CKSSYB104K10	C 1343 C 1344		CKSRYB471K50 CKSRYB331K50	
C 1128	CKSRYB472K50	C 1346		CKSRYB224K10	
C 1129	CKSSYB104K10	C 1347		CKSSYB104K10	В
C 1132	CKSRYB561K50	C 1348		CKSSYB104K10	
C 1133	CKSRYB561K50	C 1349		CKSSYB104K10	
C 1134	CKSRYB273K16	C 1350		CKSSYB104K10	
C 1135	CKSSYB473K10	C 1351		CKSSYB104K10	
C 1136	CKSSYB104K10	C 1352		CKSSYB104K10	
C 1137	CKSSYB104K10	C 1401		CCSSCH181J25	
C 1138	CKSSYB104K10	C 1401		CKSSYB104K10	_
C 1139	CKSSYB104K10	C 1402		CKSSYB104K10	
C 1139	CK331B104K10	C 1403		CN331B104K10	
C 1201	CKSSYB104K10	C 1404		CKSSYB104K10	
C 1204	CEV101M16	C 1406		CKSSYB104K10	
C 1205	CKSRYB104K16	C 1501		CKSRYB224K10	С
C 1206	CKSRYB103K50	C 1502		CKSRYB224K10	· ·
C 1207	CKSRYB103K50	C 1503		CKSRYB224K10	
C 1208	CCSSCH5R0C50	C 1504		CKSRYB224K10	
				CKSRYB224K10	
C 1209	CCSSCH470J50	C 1505			
C 1213	CKSRYB104K25	C 1507		CKSRYB224K10	•
C 1214	CKSRYB104K25	C 1508		CKSRYB224K10	_
C 1215	CKSSYB104K10	C 1510		CSZSC101M10	
C 1216	CSZSC470M16	C 1513		CKSRYB224K10	
C 1217	CKSRYB104K25	C 1514		CKSRYB224K10	
C 1218	CSZSC470M16	C 1515		CKSRYB224K10	
C 1221	CKSRYB104K25	C 1516		CKSRYB224K10	D
C 1301	CKSSYB104K10	C 1517		CKSRYB224K10	
C 1302	CKSSYB104K10	C 1518		CKSRYB224K10	
C 1303	CKSSYB224K6R			CKSRYB224K10	
C 1304	CKSSYB104K10	C 1520		CKSRYB224K10	
C 1305 C 1306	CKSSYB224K6R CKSSYB471K50	3 C 1521 C 1522		CKSRYB224K10 CKSRYB224K10	
C 1300	CROSTD47 INSO	0 1322		CNOINT BZZ4INTO	
C 1307	CKSSYB104K10	C 1523		CKSRYB224K10	
C 1308	CKSRYB224K10	C 1524		CKSRYB224K10	
C 1309	CKSSYB104K10	C 1525		CKSSYB104K10	
C 1310	CKSSYB104K10	C 1526		CKSRYB224K10	
C 1311	CKSSYB103K16	C 1527		CKSRYB224K10	Е
C 1312	CKSSYB103K16	C 1528		CKSSYB104K10	
C 1312	CKSSYB104K10	C 1528		CKSRYB224K10	
C 1314	CKSRYB224K10	C 1530		CKSRYB224K10	
C 1315	CKSRYB102K50	C 1531		CKSSYB471K50	
C 1316	CKSRYB393K16	C 1532		CKSSYB104K10	
C 1317	CKSSYB104K10	C 1533		CKSSYB104K10	
C 1318	CKSSYB103K16	C 1534		CKSRYB224K10	
C 1319	CKSSYB104K10	C 1535		CKSSYB104K10	
C 1320	CKSSYB103K16	C 1538		CKSSYB104K10	
C 1329	CKSSYB104K10	C 1539		CKSRYB105K10	
C 4220	CKCDVD400KC	0.4540		OVODVD4051440	F
C 1330	CKSRYB183K25	C 1540		CKSRYB105K10	
C 1331	CCSSCH470J50	C 1542		CKSSYB104K10	
C 1332	CKSRYB224K10	C 1543		CSZS4R7M16	
C 1333	CKSRYB224K10	C 1544		CKSSYB104K10	100
<b>5</b>	6	AVIC-N1/UC	7 -	8	189 ■

	<u>Circu</u>	it Symbol and No.	Part No	<u> </u>	Circ	uit Symbol and No.	Part No.
	C 1547		CSZSR330	M10	S 1201	Spring Switch(12cm)	CSN1069
					S 1202	Spring Switch(8cm)	CSN1069
Α	C 1548		CKSSYB104	4K10	S 1203	Spring Switch(DISC SENS)	CSN1069
	C 1549		CKSSYB104	4K10	S 1204	Spring Switch(DISC SENS)	CSN1070
	C 1550		CKSSYB104	4K10			
	C 1551		CKSSYB10	4K10			
	C 1552		CKSSYB10	4K10	S 1205	Spring Switch(8cm)	CSN1070
					R 1298		RS1/16S0R0J
_	C 1554		CKSSYB10	4K10	R 1299		RS1/16S0R0J
	C 1555		CKSSYB10	4K10			
	C 1556		CKSSYB10	4K10	П		
	C 1557		CKSSYB10	4K10		_	
	C 1558		CKSSYB10	4K10	Unit Nu	mber:CWX2753	
					Unit Na	me:Compound Uni	it(R)
	C 1559		CKSSYB10	-	Omit ma	mo.compound om	(2)
В	C 1560		CKSSYB10		S 1206	Switch(CLAMP)	CSN1051
	C 1562		CKSSYB10		5 1206	SWIICH(CLAIVIP)	CSIVIUSI
	C 1563		CKSSYB10	-			
	C 1564		CKSSYB10	4K10	IMI		
						mber:CZW3087	
	C 1566		CCSSCH7R				
	C 1567		CCSSCH7R		Unit Na	me:Main Unit	
	C 1605		CKSSYB47				
	C 1606		CKSSYB47		<b>MISCELL</b>	ANEOUS	
	C 1609		CKSRYB10	4K16		<del></del>	
					IC 3801	IC	BA00AST
	C 1610		CKSRYB22		IC 3802	IC	BA6247FP
	C 1611		CSZSR100		IC 3803	IC	TA78L05F
С	C 1612		CKSQYB22		IC 3804	IC	TC7S14FU
	C 1615		CCSRCH47		IC 3805	Photo-interrupter	GP2L24B
	C 1616		CCSRCH47	'1J50	10 0000	i noto interruptor	OI ZLZ-ID
	_				Q 3801	Transistor	DTC124EU
	C 1617		CCSRCH47		Q 3802	Transistor	2SA1037K
	C 1618		CCSRCH47		Q 3803	Transistor	DTC124EU
	C 1619		CKSRYB10		D 3801	Diode	UDZS5R6(B)
_	C 1641		CKSRYB10		D 3802	Diode	1SS355
	C 1650		CKSYB475	<b>K16</b>			
	0.4054		01/01/04751	/40	L 3801	Inductor	LCTA150J2520
	C 1651		CKSYB475		L 3802	Inductor	LCTA150J2520
	C 1676		CSZSR100M	-			
	C 1701		CKSRYB22		<b>RESISTO</b>	RS	
D	C 1702		CKSRYB22			<u></u>	
	C 1703		CKSRYB22	4K10	R 3801		RS1/16S103J
	C 1706		CKCDVDaa	41/40	R 3802		RS1/16S222J
	C 1706 C 1707		CKSRYB22		R 3803		RS1/16S471J
			CKSRYB22		R 3804		RS1/16S102J
	C 1708 C 1710		CKSSYB47		R 3805		RS1/16S102J
	C 1710						
I -	0 1/11		CKSSYB10	JIN IU	R 3806		RS1/16S102J
	C 1712		CKSSYB10	3K16	R 3807		RS1/16S102J
	C 1712 C 1713		CKSRYB22		R 3808		RS1/16S103J
	C 1713 C 1716		CKSRYB22		R 3809		RS1/16S222J
	C 1716 C 1717		CKSSYB10		R 3810		RS1/16S222J
۱_	C 1717		CKSRYB22		-		-
Е	0 1710		ONOIN I DZZ	TI V 10	R 3811		RS1/16S102J
	C 1719		CKSSYB10	4K10	R 3812		RS1/16S102J
	C 1719 C 1720		CKSRYB22		R 3813		RS1/16S472J
	C 1720 C 1721		CKSSYB10		R 3814		RS1/16S102J
	C 1721 C 1722		CKSRYB22		R 3815		RS1/16S0R0J
	C 1722 C 1723		CKSRYB22				
	0 1723		UNON I DZZ	TIX 1 U	R 3816		RS1/16S0R0J
	C 1724		CKSSYB10	3K16	R 3817		RS1/16S0R0J
	C 1724		CKSSYB22		R 3818		RS1/16S473J
	0 1121		01.001022		R 3819		RS1/16S0R0J
					R 3821		RS1/16S473J
	13						
F	Unit Nun	nber:CWX3024			R 3822		RS1/16S512J
"					R 3823		RS1/16S0R0J
	Unit Nam	ne:Compound Un	ıt(A)				
					CAPACIT	ORS	
	Q 1299	Photo-taransistor	CPT231SC	ΓD			
l .	100			AV/IC NI4/LI4			
1	190			AVIC-N1/U	J		

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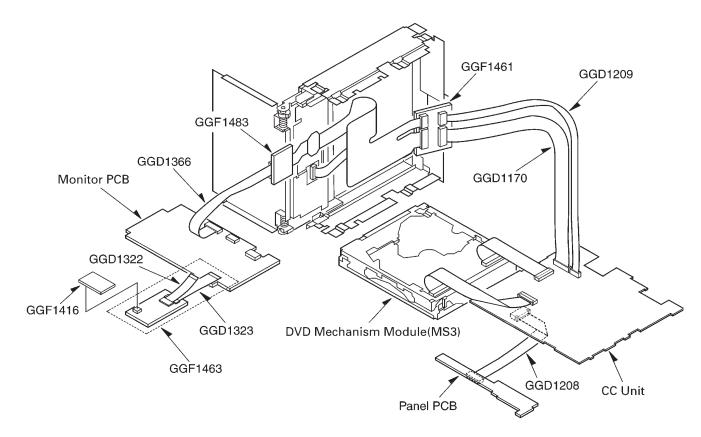
	5 -	6	7	_	8	•
Circ	cuit Symbol and No.	Part No.				
C 3801 C 3802 C 3803 C 3804 C 3805	_ ,	CKSQYB105K16 CKSQYB105K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16				А
C 3806 C 3807 C 3808 C 3809 C 3810		CKSRYB223K50 CKSRYB223K50 CEVW101M16 CEVW101M16 CKSRYB104K16				
C 3811 C 3812 C 3813 C 3815 C 3819		CEV100M16 CKSRYB104K16 CKSRYB102K50 CKSQYB104K50 CEVW101M16				В
	ımber:CZW3088 ıme:SW Unit					•
S 3831 S 3832	Switch (ANGLE) Switch (LIFT)	CSN1052 CSN1052				
	ımber:CZW3089 ıme:Volume Unit					С
VR3841	Rotary (Angle sense)	CCW1025				
Miscella	aneous Parts List					
M 1 M 2 M 3 M 3001	Pickup Unit(Service)(DP5) Motor Unit(LOADING) Motor Unit(CARRIAGE) Motor(SPINDLE) Motor Unit(Position)	CXX1639 CXB8687 CXB8688 CXM1280 CXB9515				D
M 3002	Motor Unit(Angle) Fan Motor Fan Motor Fan Motor LCD Panel	CXB9516 CXM1284 CXM1289 CXM1293 CWX3056				
	LCD	CAW1828				

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# 6. ADJUSTMENT

## **6.1 JIG CONNECTION DIAGRAM**



\*1) After connecting the Hideaway Unit, please perform adjustment.

#### JIG's List

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Function	Name	Jig No.
CC Unit (CN609) <> Main Unit (CN3801)	PCB	GGF1461
CC Unit (CN609) <> GGF1461	40P FFC	GGD1170
CC Unit (CN609) <> GGF1461	20P FFC	GGD1209
CC Unit (CN608) <> Monitor PCB (CN4002)	PCB	GGF1483
CC Unit (CN2701) <> Panel PCB (CN5901)	18P FFC	GGD1208
Monitor PCB (CN4002) <> GGF1483	36P FFC	GGD1366
Monitor Adjustment PCB (*2)	PCB	GGF1416
JIG connector Assy (*2)	PCB and FFC	GGF1463
Monitor PCB ("FOR SERVICE" 14P terminal) <> GGF1463 (*2)	14P FFC	GGD1323
TEST DISC (Operation check)	CD-ROM or DVD-ROM	GGV1137

\*2) Since this product does not have OSD IC, OSD for adjustment is displayed by using GGF1416 and GGF1463 at the time of monitor adjustment. As you will find lands for 14 pins with 0.8mm pitch at the left top part of the monitor board, directly solder a flexible PCB of GGD1323 for adjustment. As GGD1322 is not used, be careful not to short the terminal.

### 6.2 DVD ADJUSTMENT



#### 1) Precautions

This product uses 5V and 3.3V as standard voltages. The electrical potential that is the reference for signals, is not GND, but VREF (approximately 2.2V) and VHALF (approximately 1.65V).

During product adjustments, if the reference voltage is mistakenly taken as GND, and a grounding contact is made, not only would it be impossible to measure the accurate electrical potential, but also the servo motor would malfunction, resulting in the application of a strong impact on the pick up. The following precautionary measures should be strictly adhered to, in order to avoid such problems.

The reference voltage and GND should not be confused when using the minus probe of a measurement device. When an oscilloscope is being used special care should be taken to make sure that the reference voltage is not connected to the probe of ch1 (on the minus side), while the probe of ch2 (on the minus side), is connected to GND. Further, since the body frame of most measurement devices have the same electrical potential as the minus side of the probe, the body frame of the measurement device should be set to floating ground.

If the reference voltage is connected to GND by mistake, turn the regulator OFF immediately, or turn the power OFF.

- · Remove the filters and wires used for measurements only after the regulator has been turned OFF.
- · After the power supply is turned on, regulator ON the following adjustment and measurement are promptly
- Whenever the product is in the test mode, the software will not take any protective action. For this reason, special care should be taken to make sure that no mechanical or electrical shock could be applied to the product when taking measurements in the test mode.
- · Whenever the EJECT key is pressed to eject the disk, no other keys, other than the EJECT key, should be pressed until the disk eject action has been complet-
- · Press the EJECT key only after the disk has stopped completely.
- · If the product hangs up turn the power OFF immediately.
- · Laser didoes may be damaged, if the volume switch for the laser power adjustment of the pick up unit, is turned.

#### Attention)

· Test mode starting procedure Please select "MS3 check" (page 230) to start test mode.

(Additional Information)

IP-BUS slave unit (i.e. Multi-CD changer) test mode starting procedure.

· To enter the test mode While pressing the SOURCE and ANGLE- keys at the same time, reset.

#### · Key Assign table

7 - 3	
AVIC-N1/UC or AVIC-X1/EW	MAIN UNIT KEY (6 keys type)
UP	UP
DOWN	DOWN
LEFT	LEFT
RIGHT	RIGHT
BAND	BAND
REAR	1
WIDE	2
ENT	3
ANGLE-	4
ANGLE+	5
EQ	6

<sup>\*</sup> Refer to service manual for adjustment of the slave unit.

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#### Front-End test mode flow chart

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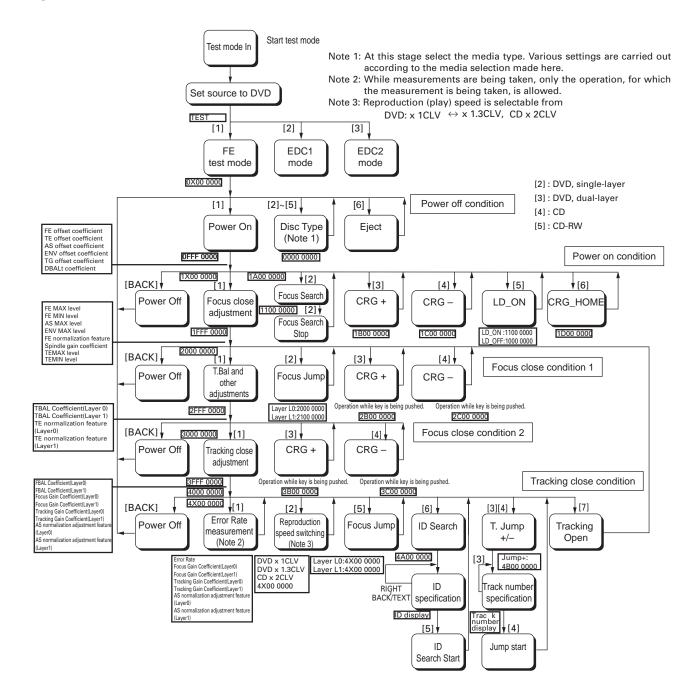
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F-close and F-search cannot be executed, unless LD-ON is set. [If F-close isn't executed within 9 seconds after LD-ON, it switches to LD-OFF automatically. And even if F-search is executed within 9 seconds after LD-ON, it also switches to LD-OFF.]

The track number designation is selected from the track numbers already prepared for selection. Switching to cyclic operation is made at step REAR, and the decision is finalized (entered) in step BACK/TEXT.

For CD: Tracks 1, 4, 10, 11 and 32.

5

For DVD: Tracks 1, 4, 10, 11, 32, 64 and 100.

#### Method for designating an ID address:

• A number of digits are determined through commands RIGHT and LEFT. Numerical UP/DOWN operations are performed through commands REAR and BACK/TEXT. The decision is finalized (entered) with command ATT.

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#### OSD display

#### Error Code List

Error status from		
DVD micurocomputer	Contents	Display
0X50	Mecha. error	No dislay
0X40	No disc	No dislay
0X30	The temperature is abnormal	Thermal Protection in Motion
0X20	Read error Error-02-XX	
0XE2	Non-playable disc	NON-PLAYABLE DISC
0X90	Drrerent region disc	DFFERENT REGION DISC
0XFF	Undefined error	Error-FF

#### Error code of read error(Part of XX)

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Error Code	Contents	Display		
0X99	Data cannot read	Please condirm the disc		
0X80	The address cannot be found	Please condirm the disc		
0X90	Focus error	Please condirm the disc		
0X91	Spindle lock NG	DVD is stopping because mechanism detected abnormality		
0X92	Carrige home NG	DVD is stopping because mechanism detected abnormality		
0X93	FOK error	Please condirm the disc		
0X94	ID/Subcode cannot be read	Please condirm the disc		
0X95	High spindle rotation	Please condirm the disc		
0X96	Row spindle rotation	DVD is stopping because mechanism detected abnormality		
0X98	TOC cannot be found	Please condirm the disc		
0X9A	AV chip error	DVD is stopping because mechanism detected abnormality		
0X9B	RecaveryNG(BE)	DVD is stopping because mechanism detected abnormality		

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**-** 2 **-** 3 **-** 4

### Skew adjustment

If any of the following replacements have been performed on the system, adjustments for pick up, must be conducted:

- 1. Pick up unit replacement
- 2. Spindle motor replacement
- 3. Carriage chassis replacement
- 4. Pick up unit main shaft replacement
- 5. Pick up unit sub-shaft replacement

Measurement device and tools: Oscilloscope

Allen key wrench

40-pin flexible extension Screw rock(GYL1001)

Disk used: GGV1018

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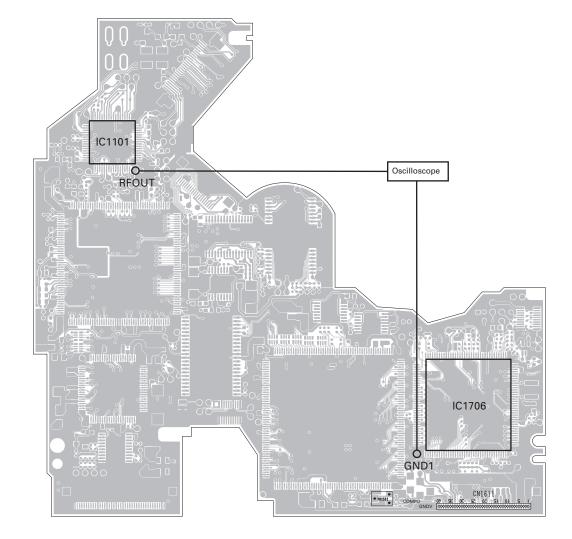
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Measurement reference : GND1 Measurement point : RFOUT

Skew adjustment connection diagram

• DVD core unit (MS3)



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Symptoms in case of poor adjustment: Error efficiency deteriorated: 10-3 (Optimum value: 10-4 or lower)

High jitter of the RF signal RF waveform deformed

Unstable operation in tracking closing and servo control

Caution: Avoid exposing your eyes to laser beams for a long time.

Preparation for adjustment: Clean both ends of the shafts.

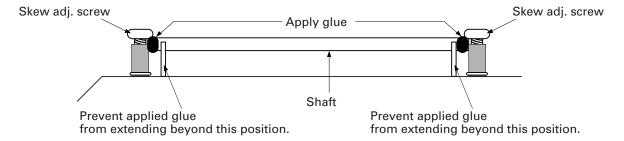
Use brand new skew screws supplied with the service kit GXX1234.

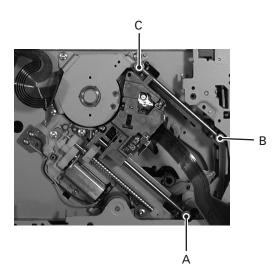
#### Procedures:

- 1. Place the DVD mechanism module upside down.
- 2. After replacing the pickup (by referring to the procedures of "Removing the Pickup."), roughly adjust the three skew screws through visual check so that the pickup is mounted in parallel to the CRG chassis around the inner and outer tracks.
- 3. Connect an oscilloscope as shown in the connecting diagram.
- 4. Turn on the power of the product. Load the test disc (GGV1018).
- 5. In the front-end test mode, set the disc type to DVD layer 1. Move the pickup toward the inner tracks.
- 6. Turn on the laser diodes.
- 7. With the focus servo closed, complete all automatic adjustments. Close the tracking servo, and then complete all automatic adjustments.
- 8. Observing the RF waveform on the oscilloscope, slightly turn the skew adj. screw C to maximize the RF level. Next, move the pickup toward the outer tracks. Slightly turn the skew adj. screw B to maximize the RF level. Turn the skew adj. screws A and B in the same direction keeping their rotating angles the same until the RF level becomes the maximum.
  - Lastly, move the pickup toward the inner tracks. Turn the skew adj. screw C so that the RF level becomes the maximum.

Repeat the step 8 three times.

- 9. Turn off the power in the test mode. After confirming that the disc has stopped, eject the disc.
- 10. Apply glue to the skew adj. screws and the shafts.





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Back end section check flow chart Start Are all reproduced images and NO sounds normal? YES NO Go to the F.E. Is the F.E. section normal? section check YES Are all power supply voltages NG OK Are all clocks operating normally? NG OK NG the streaming I/F OK Is the audio NG circuit operating normally? OK Is the video circuit operating normally? NG OK Is SDRAM I/F operating normally? NG OK Repair or replace the microprocessor any defective unit operating normally? NO All checks normal? YES Check completed

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Reproduce DVD-REF-A1 Title 1.

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Verify the voltage of the sensing pin.

If results are not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components.

NO.	Verification location	Rated value	Unit
1	VD8-PGND	8±0.4	V
2	VD33-GND	3.3±0.3	V
3	SRVDD33-GND	3.3±0.3	٧
4	VCC5-GND	5±0.25	٧
5	AVCC5-GND	5±0.3	٧
6	VCC33-GND	3.3±0.15	٧
7	VCC18-GND	1.8±0.15	٧
8	VCC25-GND	2.5±0.2	V

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### Check 2: Are all clocks operating normally?

Reproduce DVD-REF-A1 Title 1.

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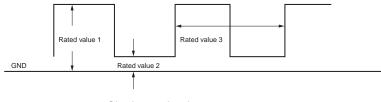
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Checks are to be conducted with a GND reference.

If locations listed under "verification location 2", can be verified, there will be no need to perform verifications for the locations listed under "verification location 1."

If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in the vicinity of IC1507.

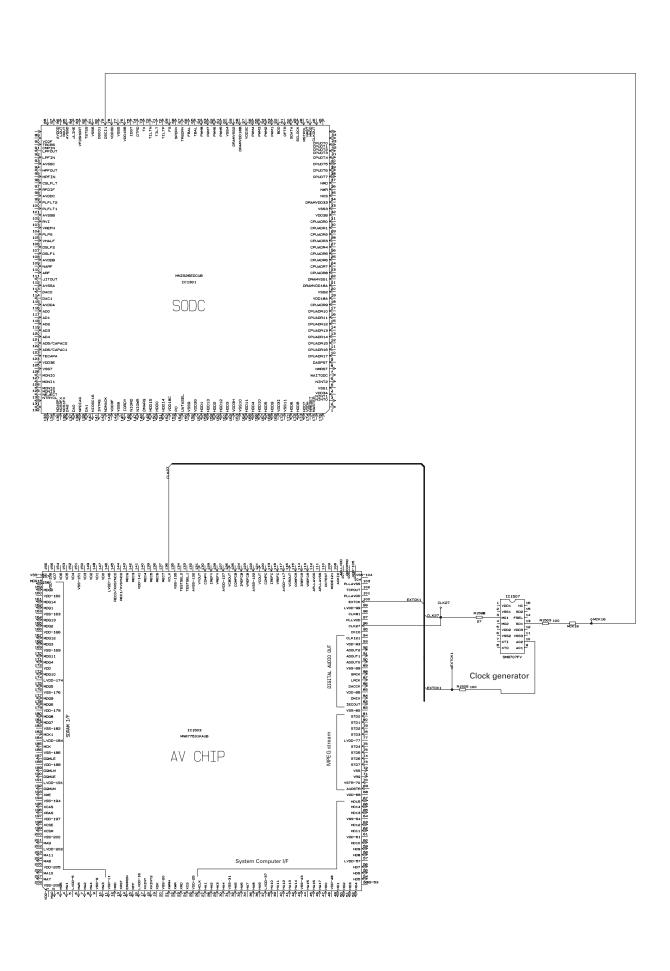
NO.	Verification location 1 (contact measurements)	Verification location 2	Media	Rated value1	Rated value 2	Rated value 3
1	CLK27	IC1503 96pin	ALL	2.65V~VCC33	GND~0.65V	27MHz±50ppm
2	EXTCK1	IC1503 100pin	DVD	2.65V~VCC33	GND~0.65V	36.8640MHz±100ppm
3	EXTCK1	IC1503 100pin	CD	2.65V~VCC33	GND~0.65V	33.8688MHz±100ppm
4	MCK16	IC1301 79pin	ALL	2.33~VCC33	GND~0.99V	16.9344MHz±100ppm
5	MCK33	IC1601 3,33pin	ALL	2.33~VCC33	GND~0.10V	33.8688MHz~40.0000MHz



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## Check 3: Is the streaming I/F operating normally?

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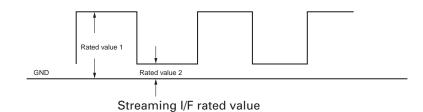
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Checks are to be conducted with a GND reference.

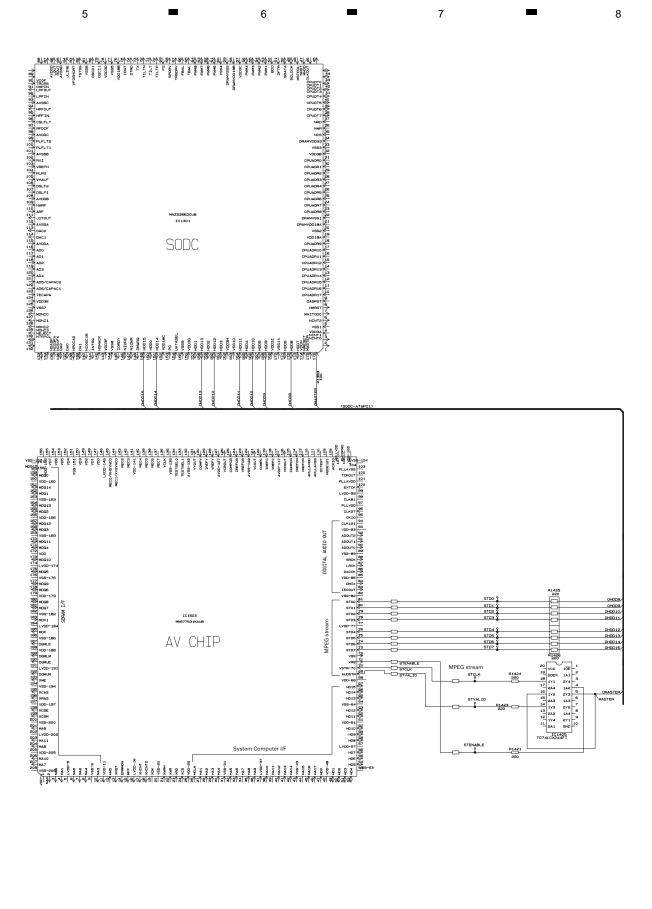
If the locations listed under "verification location 2" can be verified, then there is no need to conduct verifications for the locations listed under "verification location 1."

If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in areas where a problem occurs, for the overall sequence of "output "input" of the checked location.

NO.	Verification location 1 (contact measurements)	Verification location2	Verification Media	Rated value 1	Rated value 2	Reference waveform	Others
1	STD0	IC1503 81pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD8 at R1425
2	STD1	IC1503 80pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD9 at R1425
3	STD2	IC1503 79pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD10 at R1425
4	STD3	IC1503 78pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD11 at R1425
5	STD4	IC1503 76pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD12 at R1426
6	STD5	IC1503 75pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD13 at R1426
7	STD6	IC1503 74pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD14 at R1426
8	STD7	IC1503 73pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD15 at R1426
9	STCLK	IC1503 70pin	DVD	2V~VCC33	GND~0.8V	Waveform 2	Line name ODA2 at IC1405
10	STVALID	IC1503 69pin	DVD	2V~VCC33	GND~0.8V	Waveform 2	Line name OINTRQ at IC1405
11	MASTER	IC1301 176pin	DVD	2V~VCC33	GND~0.8V	Waveform 2	Line name STENABLE at IC1405



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### Check 4: Is the audio circuit operating normally?

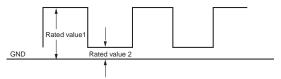
Reproduce DVD-REF-A1 Title 2 Chapter (48V/16-bit/1 kHz/0dB). Verify the circuit described in Figure 2.

Checks are to be conducted using GNDAU1 (sensing pins) as a reference.

If the locations, listed under "verification location 2", can be verified, there is no need to conduct verifications for the locations listed under "verification location 1."

If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in the vicinity of the main components.

NO.	Verification location 1	Verification location 2	Rated value 1	Rated value 2	Reference waveform
1	AOUT0	IC1503 90pin	2.0V and over	0.8V and lower	Waveform 3
2	SRCK	IC1605 1pin	2.0V and over	0.8V and lower	Waveform 3
3	LRCK	IC1605 3pin	2.0V and over	0.8V and lower	Waveform 3



Three serial output rated values

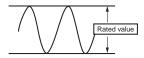
Checks are conducted with the measurement circuit below.

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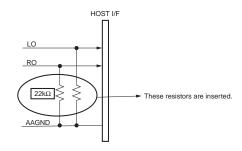
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NO.	Verification location 1	Verification location 2	Rated value	Reference waveform
4	LO	CN1611 36pin	1100±150mV	Waveform 4
5	RO	CN1611 34pin	1100±150mV	Waveform 4



Analog audio outputs (LO and RO) rated values



LO and RO output measurement circuit

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## Check 5: Is the video circuit operated normally?

Reproduce DVD-REF-A1 Title 2 Chapters (White 100IRE).

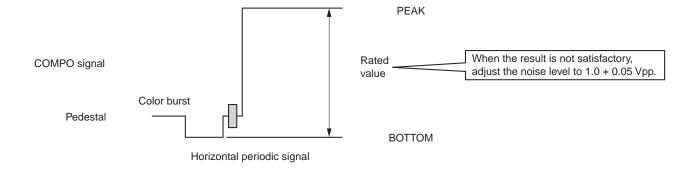
Monitor the output with the oscilloscope, by setting the COMPO signal to a GND reference.

2

Set the Trigger mode to the TV trigger, and the Trigger line to line-150.

NO.	Verification location		Reference waveform
	(sensing pin)		wavelorm
1	COMPO	1.0±0.05Vpp	Waveform 5

If the result is not satisfactory, check to see if there are any problems with resin flux cored solder, parts and components, in the vicinity of line-150 (the section marked ⑤ in the circuit diagram) and peripheral components.



Composite signal 100% output waveform

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CN1611 | Note | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100

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## Check 6: Is SDRAM I/F operating normally?

Reproduce DVD-REF-A1 Title 1.

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Check the conductivity of both the "Verification location 1" and the "Verification location2."

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If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in areas where a problem occurs, for the overall sequence of "output "input" of the checked location.

NO.	Signal name	Verification location 1	Verification location 2	Rated value
1	MA0	IC1501 23pin	IC1503 2pin	$22\Omega \pm 5\%$
2	MA1	IC1501 24pin	IC1503 4pin	$22\Omega \pm 5\%$
3	MA2	IC1501 25pin	IC1503 7pin	$22\Omega \pm 5\%$
4	MA3	IC1501 26pin	IC1503 10pin	$22\Omega \pm 5\%$
5		IC1501 29pin	IC1503 8pin	$22\Omega \pm 5\%$
	MA5	IC1501 30pin	IC1503 6pin	$22\Omega \pm 5\%$
7		IC1501 31pin	IC1503 3pin	$22\Omega \pm 5\%$
	MA7	IC1501 32pin	IC1503 207pin	$22\Omega \pm 5\%$
9	MA8	IC1501 33pin	IC1503 204pin	$22\Omega \pm 5\%$
10	MA9	IC1501 34pin	IC1503 201pin	$22\Omega \pm 5\%$
11	MA10	IC1501 22pin	IC1503 206pin	$22\Omega \pm 5\%$
12	MA11	IC1501 20pin	IC1503 203pin	$22\Omega \pm 5\%$
13	MDQ0	IC1501 2pin	IC1503 159pin	$22\Omega \pm 5\%$
14	MDQ1	IC1501 4pin	IC1503 162pin	$22\Omega \pm 5\%$
15	MDQ2	IC1501 5pin	IC1503 165pin	$22\Omega \pm 5\%$
16	MDQ3	IC1501 7pin	IC1503 168pin	$22\Omega \pm 5\%$
17	MDQ4	IC1501 8pin	IC1503 171pin	$22\Omega \pm 5\%$
18	MDQ5	IC1501 10pin	IC1503 175pin	$22\Omega \pm 5\%$
19	MDQ6	IC1501 11pin	IC1503 178pin	$22\Omega \pm 5\%$
	MDQ7	IC1501 13pin	IC1503 181pin	$22\Omega \pm 5\%$
21	MDQ8	IC1501 42pin	IC1503 180pin	$22\Omega \pm 5\%$
22		IC1501 44pin	IC1503 177pin	$22\Omega \pm 5\%$
	MDQ10	IC1501 45pin	IC1503 173pin	$22\Omega \pm 5\%$
	MDQ11	IC1501 47pin	IC1503 170pin	$22\Omega \pm 5\%$
	MDQ12	IC1501 48pin	IC1503 167pin	$22\Omega \pm 5\%$
	MDQ13	IC1501 50pin	IC1503 164pin	$22\Omega \pm 5\%$
	MDQ14	IC1501 51pin	IC1503 161pin	$22\Omega \pm 5\%$
	MDQ15	IC1501 53pin	IC1503 158pin	$22\Omega \pm 5\%$
	MCK	IC1501 38pin	IC1503 185pin	$22\Omega \pm 5\%$
	XWE	IC1501 16pin	IC1503 193pin	$22\Omega \pm 5\%$
	XCAS	IC1501 17pin	IC1503 195pin	$22\Omega \pm 5\%$
	XRAS	IC1501 18pin	IC1503 196pin	$22\Omega \pm 5\%$
	XCSM	IC1501 19pin	IC1503 199pin	$22\Omega \pm 5\%$
	XCSE	IC1501 35pin	IC1503 198pin	$22\Omega \pm 5\%$
	DQMUM	IC1501 39pin	IC1503 192pin	$22\Omega \pm 5\%$
	DQMLM	IC1501 15pin	IC1503 189pin	$22\Omega \pm 5\%$
37	DQMUE	IC1501 21pin	IC1503 190pin	$22\Omega \pm 5\%$

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Check the conductivity of both the "Verification location 1" and the "Verification location2."

If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in areas where a problem occurs, for the overall sequence of "output – input" of the checked location.

NO.	Signal name	Verification	Verification	Verification	Rated value	Others
		location 1	location 2	Media		
	A1	IC1701 142pin	IC1503 27pin	ALL	0Ω	
	A2	IC1701 141pin	IC1503 28pin	ALL	0Ω	
	A3	IC1701 140pin	IC1503 29pin	ALL	0Ω	
	A4	IC1701 139pin	IC1503 30pin	ALL	0Ω	
5		IC1701 138pin	IC1503 32pin	ALL	0Ω	
	A6	IC1701 137pin	IC1503 33pin	ALL	0Ω	
7	A7	IC1701 136pin	IC1503 34pin	ALL	0Ω	
	A8	IC1701 133pin	IC1503 35pin	ALL	0Ω	
	A9	IC1701 132pin	IC1503 36pin	ALL	0Ω	
	A10	IC1701 131pin	IC1503 38pin	ALL	0Ω	
11	A11	IC1701 130pin	IC1503 39pin	ALL	0Ω	
12	A12	IC1701 129pin	IC1503 40pin	ALL	0Ω	
13	A13	IC1701 128pin	IC1503 41pin	ALL	0Ω	
14	A14	IC1701 127pin	IC1503 42pin	ALL	0Ω	
15	A15	IC1701 126pin	IC1503 44pin	ALL	0Ω	
16	A16	IC1701 123pin	IC1503 45pin	ALL	0Ω	
17	A17	IC1701 122pin	IC1503 46pin	ALL	0Ω	
18	D0	IC1701 17pin	IC1503 47pin	ALL	0Ω	
	D1	IC1701 16pin	IC1503 49pin	ALL	0Ω	
	D2	IC1701 15pin	IC1503 50pin	ALL	0Ω	
21	D3	IC1701 14pin	IC1503 51pin	ALL	0Ω	
22	D4	IC1701 13pin	IC1503 52pin	ALL	0Ω	
23	D5	IC1701 12pin	IC1503 54pin	ALL	0Ω	
	D6	IC1701 11pin	IC1503 55pin	ALL	0Ω	
25	D7	IC1701 10pin	IC1503 56pin	ALL	0Ω	
26	D8	IC1701 7pin	IC1503 58pin	ALL	0Ω	
27	D9	IC1701 6pin	IC1503 59pin	ALL	0Ω	
28	D10	IC1701 5pin	IC1503 60pin	ALL	0Ω	
	D11	IC1701 4pin	IC1503 62pin	ALL	0Ω	
30	D12	IC1701 3pin	IC1503 63pin	ALL	0Ω	
31		IC1701 2pin	IC1503 65pin	ALL	0Ω	
32	D14	IC1701 1pin	IC1503 66pin	ALL	0Ω	
	D15	IC1701 144pin	IC1503 67pin	ALL	0Ω	
	XCSAVR	IC1701 101pin	IC1706 1pin	ALL	0Ω	
	XCSAVW	IC1701 100pin	IC1706 2pin	ALL	0Ω	
36	XCSAV	IC1706 4pin	IC1503 24pin	ALL	0Ω	
37	XAVINT	IC1701 42pin	IC1503 17pin	ALL	0Ω	
	XAVINT2	IC1701 41pin	IC1503 18pin	ALL	0Ω	
	XRD	IC1701 95pin	IC1503 23pin	ALL	0Ω	
40		IC1701 90pin	IC1505 3pin	ALL	33Ω	Dividing circuitFor verification location 2
		1				include also IC1502 pin-3
41	HCLK	IC1502 5pin	IC1503 26pin	ALL	200Ω ± 5 %	
1	XSRAMWR	IC1701 105pin	IC1505 1pin	ALL	0Ω	
	XHWR	IC1504 8pin	IC1503 21pin	ALL	$68\Omega \pm 5\%$	1
1 70	73114411	10 100 T Opin	10.000 2 ipiii	,	0022 - 0 /0	1

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D

IC1505

1 1A 1Y 5 6

GND VCC 4

TC7PA04FU | MPEG stream | DIGITAL ALDIO OUT | STREET | STR

6

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Α

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Note:1 The encircled number denote measuring pointes in the circuit diagram. 2 Reference voltage VHALF: 1.65V

Α

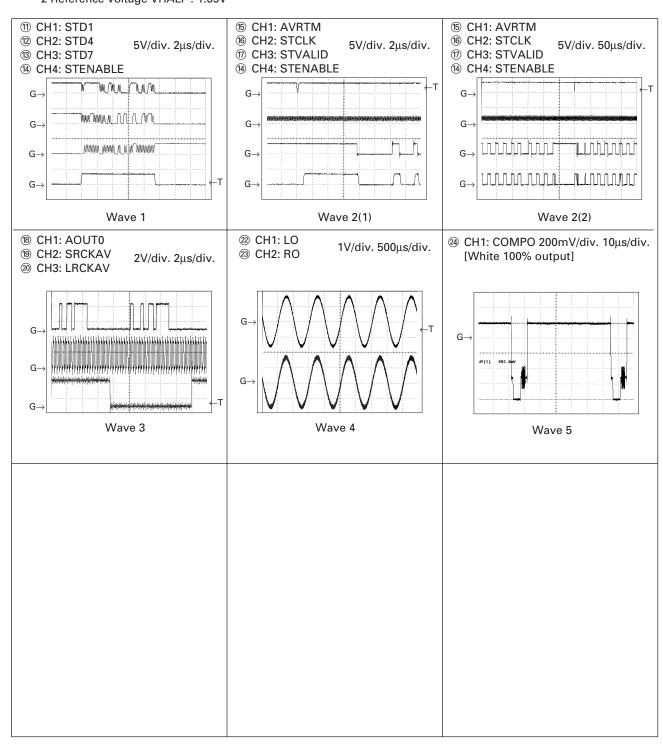
В

С

D

Ε

F



3

212

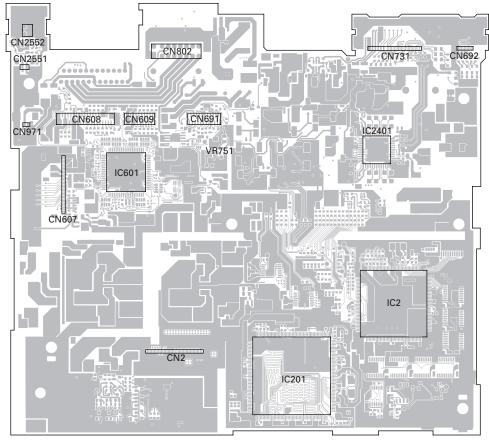
AVIC-N1/UC

## **6.3 CC UNIT ADJUSTMENT**

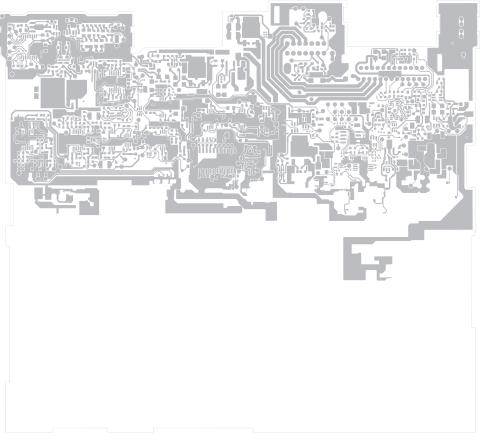


Adjustment point

CC UNIT(SIDE A)



CC UNIT(SIDE B)



AVIC-N1/UC

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213

В

С

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Ε

**a** 2 **a** 3

4

Adjusting point VR751 1.50 ± 0.05Vp-p Measure between the sync tip and 100IRE (top level). The 12k $\Omega$  terminal on the measuring instrument. Specs Measuring instruments Oscilloscope |Measuring point: FMONV Output (measuring point, waveform) Input test pin : DVDVO Signal : 100IRE(white 100%) Level : 1.0Vp-p(via 75Ω) (input test pin,specs, other conditions) Input Mode VTR Adjustment item Main video level Step <del>\_</del>

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214

1 -

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3

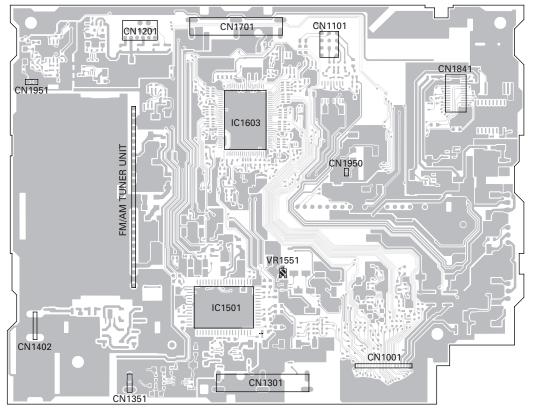
## **6.4 MOTHER PCB ADJUSTMENT**



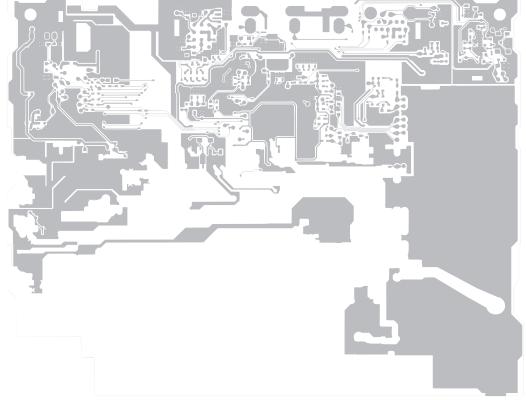
Adjustment point

5

MOTHER PCB(SIDE A)



MOTHER PCB(SIDE B)



AVIC-N1/UC

8

В

С

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**2 3 -**

Adjusting point VR1551 Measuring conditions: Select the 75 $\Omega$  terminal on the measuring instrument.  $1.00\pm0.05 \text{Vp-p}$  Measure between the sync tip and 100IRE Specs (top level). Measuring instruments Oscilloscope Measuring point: SELV (measuring point, waveform) Output Input test pin : VCR1INV Signal : 100IRE(white 100%) Level : 1.0Vp-p(via 75 $\Omega$ ) (input test pin, specs, other conditions) Input Mode VTR Composite video level Adjustment item Step

1

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В

С

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216

(1) The Video level (Vlevel) is out of spec. When the Vlevel is more than 1.05Vp-p, the images become whitish. When the Vlevel is less than 0.95Vp-p, the images become blackish.

2

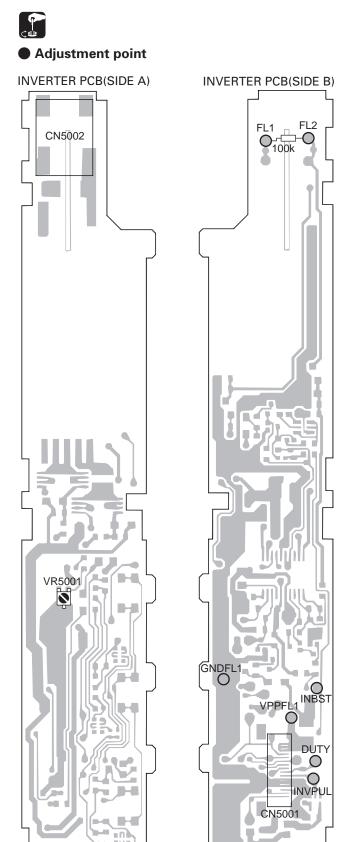
1 =

AVIC-N1/UC

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4

# **6.5 INVERTER PCB ADJUSTMENT**



N 0	No Adjustment item Input signal	Input signal	Measuring point	Adjusting point	Measuring Adjusting Measuring method point point and specs.	Remarks
	BACK LIGHT	Apply 14.4V $\pm$ 0.2V to TP VPPFL1				100k ohms is connected between TP FL1 and TP FL2. It acts as the monitor of the waveform after potential. Don't acts as the monitor of the
_	DRIVE FREQUENCY	TP GNDFL1, TP INVPUL, TP DUTY and TP INBST : GND	TP:FL1,FL2	VR 5001	48.0 ± 0.1kHz	TP FL2 directly. (there is a possibility that a measuring instrument may be destroyed, for high voltage.) Out of spec., when frequency change of following may become impossible.
		Apply wave of 98.0 $\pm$ 1kHz to TP INVPUL				It checks that the waveform after potential is set to 49 kHz
7	FREQUENCY CHANGE CHECK	=	TP:FL1,FL2		49.0 ± 0.5kHz	
		Apply wave of 104.0 $\pm$ 1kHz to TP INVPUL				It checks that the waveform after potential is set to 52 kHz
က	FREQUENCY CHANGE CHECK	5V 5V 0V 0V	TP:FL1,FL2		52.0 ± 0.5kHz	

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AVIC-N1/UC

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# **6.6 MONITOR PCB ADJUSTMENT**

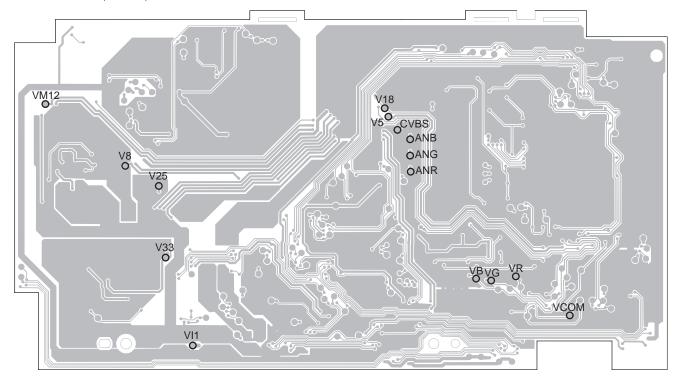
A CS

В

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Adjustment point

MONITOR PCB(SIDE B)



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Notes: When the power supply for TC90A64AF-P (IC4001) is OFF, be careful not to apply any voltage to its terminals except for IIC lines(SDA and SCL). The IIC lines can accept a maximum of 5V.

	Adjustment item	Input	Measuring point	Adjusting point	Measuring method and specs.	Remarks
ς. ×	3.3V power supply 14.4V to TP VI1.	Apply 14.4V to TP VI1.	(TP V33)	-	$\sqrt{33}=3.3 \text{V}\pm0.3 \text{V}$	
0	2.5V power supply Apply 14.4V verification	Apply 14.4V to TP VII.	(TP V25)	I	$V25 = 2.5V \pm 0.2V$	
رى >	5V power supply verification	Apply 14.4V to TP VI1.	(TP V5)	I	$V5 = 5.0V \pm 0.3V$	
ω >	8V power supply verification	Apply 14.4V to TP VI1.	(TP V8)	I	V8 = 8.0V ± 0.6V	
۱ >	18.5V power supply Apply 14.4V verification to TP VI1.	Apply 14.4V to TP VII.	(TP V18)	I	V18 = 18.5V ± 0.8V	
	-12V power supply Apply 14.4V verification to TP VI1.	Apply 14.4V to TP VII.	(TP VM12)	I	VM12 = -12.0V ± 0.6V	

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AVIC-N1/UC

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als except for IIC	Remarks		The signal generator should be used via 75 ohms. (specs in desinging : 75.0 ± 0.2ohms)	The signal generator should be used via75 ohms.	The input signal has no setup. (Apply a black signal to TP CVBS)	The input 10-step signal has no setup.	The input 10-step signal has no setup. If the measured value is out of specs, change the setting of SA24h D11 - 8 ( $\gamma$ 2 inflection point: GAMMA2 in the line adjustment 1 mode) (Register setting specs: $4\pm1$ )
Notes: When the power supply for TC90A64AF-P is OFF, be careful not to apply any voltage to its terminals except for IIC lines(SDA and SCL). The IIC lines can accept a maximum of 5V. 2) In the following table, SA**h is a sub-address of TC90A64AF-P.	Measuring method and specs.	4.50V ± 0.20V	0.70V ± 0.02V		3.9V ± 0.2V	The first-step A = 0.50V $\pm$ 0.10V A = 0.10V A = 0.50V $\pm$ 0.10V	The 10-step A = $3.10V \pm 0.15V$ A= (A1+A2)/2 (A1+A2)/2 (A2)
reful not to a m of 5V. 10A64AF-P.	Adjusting point	I	I	I	I	I	I
P is OFF, be ca cept a maximu address of TC9	Measuring point	TP VCOM	TP ANR,ANG, ANB	TP CVBS	TP VG	TP VG	TP VG
or TC90A64AF- IIC lines can acc SA**h is a sub-	Input	Any input signal	Apply a white 100% signal toTP AVR,ANG. ANB.	Apply a white 100% signal toTP CVBS.	Apply a black signal to TP ANR,ANG,ANB. (Video level:0%)	Apply a 10-step signal to TP ANR,ANG,ANB.	Apply a 10-step signal to TP ANR,ANG,ANB.
Notes: When the power supply for TC90A64AF-P is OFF, be careful not to lines(SDA and SCL). The IIC lines can accept a maximum of 5V. 2) In the following table, SA**h is a sub-address of TC90A64AF-P.	Adjustment item	Vcom amp output Voltage waveform Verification	Input waveform verification (RGB)	Input waveform verification (composite)	RGB amp output voltage waveform verification	Gamma 0 Verification	Gamma 2 verification
Notes: When I lines(S 2) In th	No	7	8	o	10	1-	12

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221 8

Notes:

1) When the power supply for TC90A64AF-P is OFF, be careful not to apply any voltage to its terminals except for IIC lines(SDA and SCL). The IIC lines can accept a maximum of 5V. 2) In the following table, SA\*\*h is a sub-address of TC90A64AF-P.

5

N <sub>o</sub>	Adjustment item	Input	Measuring	Adjusting point	Measuring method and specs.	Remarks
13	B SUB BRIGHT	Apply a 10-step signal to TP ANR,ANG, ANB.	TP VG and VB	Register setting of SA39h D11 - 8	Adjust the first step levels of the G waveform and the B waveform.	Register setting specs : $8\pm2$ (specs in designing: $8\pm1$ ) In the Line adjustment 2 mode, SUB BRI B can be used as the adjusting point.
14	B SUB CONTRAST	Apply a 10-step signal to TP ANR,ANG, ANB.	TP VG and VB	Register setting of SA26h D7 - 1	Adjust the 10th step levels of the G waveform and the B waveform.	Register setting specs: $64\pm3$ (specs in designing: $64\pm2$ ) In the Line adjustment 2 mode, SUB CON B can be used as the adjusting point.
15	R SUB BRIGHT	Apply a 10-step signal to TP ANR,ANG, ANB.	TP VG and VR	Register setting of SA39h D15 - 12	Adjust the first step levels of the G wave form and the R waveform.(Measuring point is the same as that of No,13.)	Register setting specs: $8\pm2$ (specs in designing: $8\pm1$ ) In the Line adjustment 2 mode, SUB BRI R can be used as the adjusting point.
16	R SUB CONTRAST	Apply a 10-step signal to TP ANR,ANG, ANB.	TP VG and VR	Register setting of SA26h D15 - 9	Adjust the 10th step levels of the G waveform and the R waveform.(Measuring point is the same as that of No,14.)	Register setting specs: $64\pm3$ (specs in designing: $64\pm2$ ) In the Line adjustment 2 mode, SUB CON R can be used as the adjusting point.
17	Horizon dot position	Any input signal	I	Register setting of SA2Ah D3 - 0	5(0101)	After being written in,the setting value of EEP-ROM is checked. 2 mode,DOT CLK can be used as the adjusting point.
18	Aging	Any input signal	I	I	Keep the unit in the operation mode for 30 minutes or longer.	Block light lighting. An animation is displayed.
19	Flicker	Input a signal for alternate white and black lines to TP ANR, TP ANG and TP ANB.	Screen	Register setting of SA22h D15 - 8	Adjust so that the flickers become minimum in all	If it input a signal for alternate white into TP CVBS, it is possible. (However, adjustment by RGB has priority.) The luminance level of the input signal: 50%. In the flicker adjustment mode, COM DC can be used as the adjusting point.

Flicker adjustment has been deviated The images flicker.

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# **●**EEPROM setting mode

\*) Since this product does not have OSD IC, OSD for adjustment is displayed by using GGF1416 and GGF1463 at the time of monitor adjustment. As you will find lands for 14 pins with 0.8mm pitch at the left top part of the monitor board, directly solder a flexible PCB of GGD1323 for adjustment. As GGD1322 is not used, be careful not to short the terminal.

#### [Operations]

To enter the setting mode, while keeping the EPRTEST terminal at "Low",

turn reset the monitor micro computer. While pressing the [REAR] and [EQ] Kyes at the same time, reset.

Flicker adjustment mode

Line adjustment 1 mode

Line adjustment 2 mode

Dimmer parameter setting mode

[ $\uparrow \downarrow$ ] button: Used to select a desired adjustment item in each mode

[  $\longleftrightarrow$  ] button: Used to adjust the selected item

#### Notes:

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1) The setting values are written in the EEPROM and then the read-out data is displayed on the screen.

WRITE and READ operations are processed by the block data of 16 bits.

The total bits for the settings depend on adjusting items.

2) For CS (Check Sum) items, when the settings are changed, the CS value is written in 8 bits by applying the exclusive OR (XOR). The CS value is first written in the EEPROM and then the read-out data is displayed. If the written data is different from the read-out data, the letter color for the read-out data is changed.

# Memory items and addresses on the EEPROM(S-93C46BR0I-J8T1)

EEPROM address	Bit15	Bit14	Bit13	Bit12	Bit11	Bit10	Bit9	Bit8	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
00H		Din	nmer exte	ernal ligh	t thresho	old (high)					Dimmer	external	light thr	eshold (le	ow)	
01H			Backligl	nt output	(upper li	mit)					Bac	klight out	put (low	er limit)		
02H		Comn		se outpu SA:22hí		COM DC	:)		Comn	non rese	rve outpu	ut amplitu 22h[B7-2	ude (COI) ]	M AMP)	Don	t care
03H	Dor	n't care				DC (RGE 23h[B13-8				Doi	n't care		γ0 inf	lection p	oint (GAI 23h[B3-0	
04H		ection po IP SA:24					oint (GAN 24h[B11-8		γ1		on point ( SA:24h[E		1)		Don't ca	re
05H			output su	b contras IP SA:26		CON R)	_	Don't care		0	utput sub Pl	contrast P SA:26h		CON B)		Don't care
06H	Sub brig	htness R aft PIP SA:3	er γ circuit 39h[B15-12]		Sub brigh		er g circuit 39h[B11-8]	SUB BRI B)				Do	n't care			
07H				Dor	't care					Do	on't care		Clock p	hase adju PIP SA::	stment (E 2Ah[B3-0]	
08H				Dor	't care					Do	on't care				SHARPNESS) 05h[B2-1]	Don't care
09H-1BH		Don't care														
1CH		Check sum address (00h-1bh)														
1DH				Don	't care				Common reverse output center(Reference)							
1EH						Don't	care		Clock phase adjustment initial value					itial value		
1FH								Don't	care							
20H		Ex	kternal lig	ght of din	ımer adj	ustment(	H)				Back ligh	t of dimr	ner adju	stment(H	)	
21H		E>	cternal lig	tht of dim	mer adji	ustment(	M)				Back ligh	t of dimn	ner adju	stment(N	1)	
22H		E	xternal li	ght of din	nmer adj	ustment(	L)				Back ligh	nt of dimr	ner adju	stment(L	)	
23H-3FH								Don't	care							

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# **EEPROM** initial value

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Item	Meaning	initial value(hex)	initial value(DEC)
COM_DC	Common reverse output center	8C	140
COM_AMP	Common reverse output amplitude	1E	30
RGB_BIAS	Out clamp DC	00	00
GAMMA0	γ0	02	02
GAMMA3	γ3	04	04
GAMMA2	γ2	04	04
GAMMA1	γ1	13	19
SUB_CON_R	Output sub contrast R	40	64
SUB_CON_B	Output sub contrast B	40	64
SUB_BRI_R	Sub brightness R after γ circuit	08	08
SUB_BRI_B	Sub brightness B after γ circuit	08	08
DOT_CLK	Clock phase adjustment	05	05
SHARPNESS	Sharpness	03	03
BL_MAX	Back light output (Max.)	C4	196
BL_MIN	Back light output (Min.)	5B	91
REF_HIGH	Dimmer (H)	C0	192
REF_LOW	Dimmer (L)	60	96
LUM_HIGH	External light (H)	E2	226
LUM_MID	External light (M)	87	135
LUM_LOW	External light (L)	52	82
BL_HIGH	Back light (H)	C4	196
BL_MID	Back light (M)	C4	196
BL_LOW	Back light (L)	68	104

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# [Displays in each mode]

In the following figures, the letters and numbers surrounded by a large square are for OSD examples. On the screen, the adjustment names and the settings (or written data) are listed.

The settings (or written data) will change when some adjustments are made in each mode.

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# (1) Flicker adjustment mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Common reverse output center	[0 - 255]	COM DC	255		
 	! ! *		   		 
i 	i !		i !		 
 	! ! +		! ! +	·	 
	! !		ı ‡	 	! !
i !	i +		i +		 
	 		   <del> </del>		,   
	i !		i Ļ		! !
i 	'   +		'   		 
! !	I I		I I		1

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<sup>\*</sup> The following examples show the maximum values.

# (2) Line adjustment 1 mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Bright (SA22: B7-2)	[0 - 63]	BRIGHT	63		LINE1
Contrast (SA25: B7-1)	[0 - 127]	CONTRAST	127		! !
Common reverse output center	[0-255]	COM DC	255		
Common reverse output amplitude	[0-63]	COM AMP	63		I I
Output clamp DC	[0-63]	RGB BIAS	63		
γ0 inflection point	[0-15]	GAMMA0	15		
γ3 inflection point	[0-15]	GAMMA3	15		
γ2 inflection point	[0-15]	GAMMA2	15		
γ1 inflection point	[0-31]	GAMMA1	31		!
			i i	CS	FF

#### Notes:

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#### 1) CONTRAST data

The CONTRAST data is adjustable, and used as reference data for other adjustment items, which is not memorized in the EEPROM.

#### 2) BRIGHT and COM AMP data

The BRIGHT and COM AMP adjustments are made by using the same 2-screen IC register(SA22h B7-2: common reverse output amplitude).

Therefore, adjusting one of the data will change the other one.

# (3) Line adjustment 2 mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Bright (SA22: B7-2)	[0 - 63]	BRIGHT	63		LINE2
Contrast (SA25: B7-1)	[0 - 127]	CONTRAST	127		
Output sub contrast R	[0 - 127]	SUB CON R	127		
Output sub contrast B	[0 - 127]	SUB CON B	127		
Sub brightness R after γ circuit		SUB BRI R	15		
Sub brightness B after γ circuit	[0 - 15]	SUB BRI B	15		
Clock phase adjustment	[0 - 15]	DOT CLK	15		
Sharpness	[0 - 3]	SHARPNESS	3		
			i i	CS	FF

#### Notes:

#### 1) CONTRAST data

The CONTRAST data is adjustable, and used as reference data for other adjustment items, which is not memorized in the EEPROM.

# 2) SUB BRI R and SUB BRI B data

The displayed value or EEPROM written data is different from the setting value for the 2-screen IC register (IC4001 : TC90A64AF-P).

(Before displayed on the screen, the setting value is converted via some software.)

Displayed value (adjusting value) (DEC)	E2PROM written value. (DEC)	2-screen IC register setting (BIN)	
15	15	0111	(MAX)
14	14	0110	
•	•	•	
•	•	•	
9	9	0001	
8	8	0000	(TIP)
7	7	1111	
•	•	•	
•	•	•	
1	1	1001	
0	0	1000	(MIN)

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(4) Dimmer parameter setting mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Backlight output (MAX)	[0 - 255]	BL MAX	FF		DIMMER
Backlight output(MIN)	[0 - 255]	BL MIN	FF		!
Dimmer threshold (high)	[0 - 255]	REF H	FF		
Dimmer threshold (low)	[0 - 255]	REF L	FF		
External light point (high)	[0 - 255]	LUM H	FF		
External light point (middle)	[0 - 255]	LUM M	FF		
External light point (low)	[0 - 255]	LUM L	¦ FF ¦		i !
Backlight point (high)	[0 - 255]	BL H	FF		
Backlight point (middle)	[0 - 255]	BL M	FF		
Backlight point (low)	[0 - 255]	BL L	FF	CS	FF

#### Note:

The dimmer point data is memorized in the EEPROM, but not treated as a CS item.

It's because the settings are adjustable by the user.

# Dot Clock Adjustment Mode

# [Operations]

- · [Dot Clock adjustment mode] starting procedure Reset start while pressing the [ENT] and [ANGLE+] Keys together.
- · [Dot Clock adjustment mode] cancellation Monitor's microcomputer OFF.
- · The operation after this should use Navigation's remote controller.
- $\cdot$  [  $\downarrow$  1] button : Used to select a desired adjustment item in each mode.
- $\cdot$  [  $\leftarrow$   $\rightarrow$  ] button : Used to adjust the selected item.

# [EEPROM: S-93C46BR0I-J8T1]

The setting values are written in the EEPROM and then the read-out data is displayed on the screen. WRITE and READ operations are processed by the block data of 16 bits.

#### [Display]

In the following figures, a large square are for OSD examples.

# Dot Clock adjustment mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Clock phase adjustment	[0 - 15]	DOT CLK	15		
Clock phase adjustment (initial)	[0 - 15]	[FACTORY	8	]	!
	i L		¦ ⊥	 	i 
i 	   		   <del> </del>	   	 
Common reverse output center	[0-255]	COM DC	255	i !	<u>i</u>
Common reverse output center adjustment (initial)	[0-255]	[FACTORY	140	]	¦ +
	 		   	   	!
	i L		i L	 	i 
i	! !		   +	   	! !
	i		i		i

<sup>\*</sup> CS(Check Sum)display is not performed.

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# ■ To operate the Monitor Assy only

Setting of the TP1(EPRTEST), TP2(TESTAGE) and TP3(TOUCHTS) in single operation mode is as follows.

TP2	TP3	TP1	Contents	
L	Н	Н	For aging (See p.221.)	
L	-	L	EEPROM setting mode (See p.222.)	
L	L	Н	Touch panel test mode (See p.231.)	

2

H: Not connect

L: Connect to the ground

# Contents of single operation mode

[For aging]

В

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# [EEPROM setting mode]

MVIPW : ON MFLPW : ON

DIMMER : The calculated value from coordinates of EEPROM data

BRIGHT :  $\pm 0$ CONTRAST :  $\pm 0$ WIDE MODE : Full size

## [Touch panel test mode]

MVIPW : ON MFLPW : ON

DIMMER : The calculated value from coordinates of EEPROM data

BRIGHT :  $\pm 0$ CONTRAST :  $\pm 0$ WIDE MODE : Full size

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#### NAVIGATION TEST MODE

- 1. How to start the test mode
- 1. When +Battery and ACC are ON, push RESET and EJECT buttons simultaneously.
- 2. Release RESET button only.
- 3. When "password entry screen" is displayed, release EJECT button.
- 4. Enter the password.
- 5. When the password has been entered, press [ENTER] key.
- 6. If the correct password has been entered, the test mode menu will be displayed.
- \* The password entry screen, as the one used in the previous model, is no longer displayed.
- << Password for the service >>

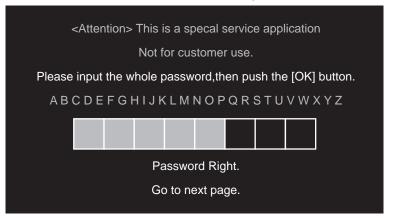
The password is  $[\uparrow(up)] \rightarrow [\uparrow(up)] \rightarrow [\downarrow(down)] \rightarrow [\downarrow(down)] \rightarrow [ENTER]$ .

If 8 digits or more are entered and [ENTER] key is pressed, it will be treated as a password error.

· Password entry screen



• Password OK: After 2 seconds or so, the screen will automatically move on to the menu screen.



• Password NG: Nothing will be displayed, and reboot action will be taken.

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- 1. Remocon touch panel test
  2. Version check
  3. Error log
  4. Format FLASH drive
  5. Erase APL-file in FLASH
  6. Clear backup memory
  7. GPS backup data clear
  8. GYRO SENSOR INFO data clear
  9. Port status information

==> next page SYSTEM Ver. : [BOOT] 0.65 [OS] 0.65

N.		0 11: 1:	0 : ::::
No.		Outline of inspection	Content if inspection
1	Remocon touch	Remote controller touch	Calibration setting and remote controller
	panel test	panel inspection	inspection are performed.
2	Version check	Version information	Display of various version information.
		check	(system software, GPS, system
			microprocessor, microprocessor for
			mechanism control, microprocessor for
			timer).
			The screen will return to "menu" by BACK
			key.
3	ERROR log	Error history entry	History of system software errors stored in
			SRAM is displayed.
			Maximum 8 events from the error last
			occurred can be displayed.
			The screen will return to "menu" by BACK
			key.
4	Format FLASH drive	FLASH format	FLASH domain used by the system soft is
			initialized.
			When the job is done, the screen will return
			to "menu".
5	Erase APL-file in	Application file inside	Application file inside FLASH is clear.
	FLASH	FLASH is clear	*(Except voice data and SRAM backup
			variable)
			When the job is done, the screen will return
			to "menu".
6	Clear backup	Back up variables	SRAM domain used by the system software
	memory	initialization	is initialized.
			When the job is done, reboot action will be
			taken.
7	GPS backup data	GPS back up data clear	SRAM domain used by GPS is initialized.
	clear		When the job is done, the screen will return
			to "menu".
8	GYRO SENSOR	Learned data inside gyro	Learned data inside gyro sensor is cleared.
	INFO data clear	sensor is clear	When the job is done, the screen will return
			to "menu".
9	Port status	Port status display	Port status is displayed. (reverse, parking,
	information		pulse, SDRAM capacity.)
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No.	Inspection item	Outline of inspection	Content if inspecti	on	
1	Change to	Switching of error	Display setting for error cases. (for debugging)		
	display error	information display	Message/Information (error information) selectable.		
2	Start within	Switching of debug	Setting for debug shell start. (for debugging)		
	debug shell	shell start	Off (no initial start)/On (initial start) selectable.		
	0		Recognition method for boot up program write is		
			changed.		
				System	Write when the version
				program	No. in the disc is
					higher.
				System data	Write when the version
				,	No. in the disc is
			Disc version		higher.
			(default)	GPS program	Write when the version
					No. in the disc is
					higher.
				Application	Write when the version
3	Program	Switching of program		program	information is different
	loading	loading			from the one in disc.
				System	Write when the version
				program	No. in disc or card is
					higher.
				System data	Write when the version
					No. in disc or card is
			Version upgrade	0.00	higher.
			(for debug)	GPS program	Write when the version
					No. in disc or card is
				Application	higher. Write when the version
				program	No. in disc or card is
				program	higher.
4	GPS	GPS assessment system	GPS assessment s	svstem can be us	ed. The system will
	assessment	start	return to "menu"		
5	File	File maintenance	File maintenance operations are made. Formatting of		
	maintenance	function	SRAM drive and PC card (ATA Flash Card) are made.		
			SRAM data is retri	ieved and copied	to PC card. Data
			retrieved from SRAM is copied to SRAM from PC card		
6	Program forced	Program forced write			
write (application) software are do					
				The system will r	return to "menu" by
BACK key.					

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No.	Inspection item	Outline of inspection	Content if inspection	
1	SRAM/SDRAM test	Memory inspection	SRAM : Device inspection and bus inspection are performed against all SRAM domains. Data will be protected. (applicable to both 32M and 64M) SDRAM : Device inspection and bus inspection are performed against all SDRAM domains. Data will be protected for both BIOS domain	
			and USER domain. The function for SDRAM all domain inspection will activate by the built-in instruction RAM.	
2	SENSOR test	Sensor inspection	G sensor, gyro, power supply voltage and installation condition are displayed.  The system will return to "menu" by BACK key.	
3	CD-ROM reading test	CD-ROM read test	Inspection for reading by CD-ROM drive is performed.	
4	RGB test	Image RGB inspection	RGB inspection (Upper half, 8 colors. Black/blue/red/pink/green/light blue/yellow/white display. Lower half, 3 colors. Red/green/blue.) →red (FULL)→green (FULL)→blue (FULL)→ Switching can be made by [←] and [→] keys. The system will return to "menu" by BACK key.	
5	MS3 check	MS3 check [V+R]	MS3 mechanism test mode inspection.	
6	Region code	Region code display	Region code display.	

# 3. How to select test mode menu

Select a desired menu by  $[\uparrow]$  and  $[\downarrow]$  keys, and execute by pressing [ENTER] key. Pages can be changed by  $[\leftarrow]$  and  $[\rightarrow]$  keys.

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Version No. for BOOT section = X.XX System software does not exist in SDRAM. Version No. for BOOT section = X.XX Version No. for SDRAM = Y.YY

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- How to operate the touch panel test mode is described below.
- First, "1. Setup touch-panel effective range" in the touch panel test menu is made.
- Next, "3. Test Touch-panel", and if the result is OK, then EXIT the screen.
- If the result is NG, conduct "2. Setup calibration", and conduct "3. Test Touch-panel" once again. If the result is OK, then EXIT the screen.
- Furthermore, details of the misalignment can be verified by the "5. Check Touch-panel compensation".
- \*) When inspecting the touch panel, use something thin with a round tip such as the touch pen. Furthermore, do not apply excessive force to the touch panel.

#### Main Menu

### Remocon / Touch-panel Test ###

\* 1. Setup touch-panel effective range
2. Setup calibration
3. Test Touch-panel
4. Check now calibration condition
5. Check Touch-panel compensation
6. Check Touch-panel graphics
7. Check Touch-panel navi coordinate

[CR] Menu selection
[JS UP / DOWN] Cursor movement
[BACK] End of test

"\*" mark shown on the left side of menu item "1" indicates that the setting has been completed. The setting items where "\*" is actually indicated will be "1. Setup ~" and "2. Setup ~" only.

[CR] Enter

[UP/DOWN] Selection of the inspection item [BACK] Return (to the test mode menu)

1. Setup touch-panel effective range

### Setup touch-panel effective range ###
The present of the touch-panel effect range (before. after)

min X: (37, 36)

max X: (230, 232)

min Y: (36, 36)

max Y: (210, 211)

<Caution>

Please trace a white line.

Please move to calibration setup after this setup.

# Adjustment steps

- 1) Trace the edge of the screen along the monitor resin frame with a round-headed thing to obtain the coordinates.
- 2) Press the [BACK] kev.

#### Explanation of the displays

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 $min_x(A,B)$ : X coordinate of the touch panel • minimum value received  $max_x(A,B)$ : X coordinate of the touch panel • maximum value received  $min_y(A,B)$ : Y coordinate of the touch panel • minimum value received  $max_y(A,B)$ : Y coordinate of the touch panel • maximum value received

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- A = A coordinate which is already stored in the SRAM (If there is no previous data in the SRAM, "min=90, max=180" will be displayed).
- B = An updated coordinate which is planned to be set in the SRAM this time (If there is no previous data in the SRAM, "min=90, max=180" will be displayed).
- [BACK]: The preset effective range is registered, and the screen will return to the remote controller inspection menu. The data of the effective range will be recorded in the SRAM.

In case the compensation value is not preset in the SRAM, the following initial (default) value will be entered automatically at the time of navigation system boot up.

 $min_x = 42$  (right edge limit value)

max\_x = 246 (left edge limit value)

min\_y = 49 (bottom edge limit value)

 $max_y = 238$  (top edge limit value)

# 2. Setup calibration

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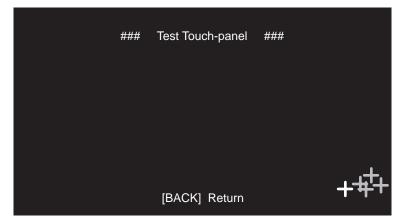
#### Explanation

- A [+] cursor is displayed at 16 locations on the screen for calibration. Finally, verification of a single point is made. The cursor is always displayed at one location only, and moves on to the next location as the current one is correctly pressed.
- When pressing on the [+] cursor, make sure to press at the center of "+".
- The result of calibration will be recorded in the SRAM.
- If effective operation is not made for 30 seconds, the system will recognize as "erroneous end" and stops the calibration.

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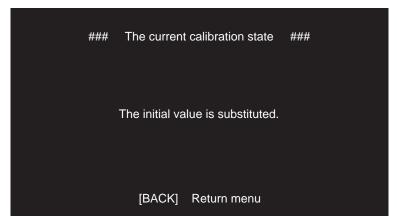


Explanation on touch panel misalignment verification test.

- 1) The test is intended to verify if the touched point on the touch panel is correctly recognized or not.
  - [+] cursor will be displayed at 16 locations on the screen.
  - The cursor will be displayed in "white color" only one at a time.
  - Each time the cursor is touched correctly, the next point will be displayed.
  - On the other hand, if it is recognized that the point touched was  $\pm 4$  dots vertically and  $\pm 5$  dots horizontally away from the center of the displayed [+] cursor, the erroneously recognized coordinate [+] will be drawn in "red color".
- 2) When touching the [+] cursor, touch the center of the + mark correctly.
- 3) If [BACK] is touched, the test will be finished, and the screen will return to the menu screen of the touch panel test mode.

If this test turns out to be NG, it will be necessary to redo "1. Setup touch-panel effective range" and "2. Setup calibration". Repeat the above steps once again.

4. Check now calibration codition



Explanation on the setting status of the calibration compensation value.

The current calibration compensation status is displayed.

The following data will be displayed.

"With no calibration value" (in white characters)

In case the compensation value does not exist in the SRAM.

"The effective range value is stored"

In case the compensation value for the upper limit and the lower limit are preset in the SRAM.

"The calibration compensation value is stored"

In case the calibration compensation values for the 16 points are preset in the SRAM.

"The effective range & calibration value is stored."

In case the upper limit and the lower limit values and the 16 points calibration values are preset in the SRAM. "The initial value is substituted."

In case the value stored as the initial (default) value is preset in the SRAM.

"Error Condition"

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In case the SRAM value is demolished or some unexpected situation is happening.

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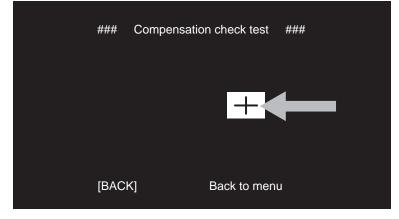
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# 5. Check Touch-panel compensation



[BACK]: The system will return to the remote controller inspection menu.

Explanation of the inspection details

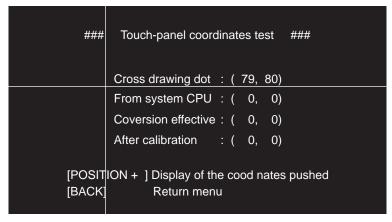
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- Regarding this inspection, the title only will be displayed at the initialized stage.
- As shown by the arrow, press any desired location on the monitor.
- A coordinate after the calibration correction will be displayed by the [+] mark against the coordinate recognized as pressed.

# 6. Check Touch-panel graphics



[NAVI] + pressing the touch panel: The coordinate of the touch panel at that time will be displayed.

- [ † ]: Horizontal line will move upward.
- [ ↓ ]: Horizontal line will move downward.
- [ -]: Vertical line will move to the left.
- [→] : Vertical line will move to the right.

[BACK]: The system will return to the remote controller inspection menu.

Explanation of the displayed coordinate (from top to bottom)

- (79, 80): Coordinate of the crossing point by the vertical and the horizontal lines (X direction, Y direction).  $[(0\sim500, 0\sim240)]$
- (0, 0): AD data value (X direction, Y direction) representing the coordinate of the pressed location received from the system control microprocessor.
- (0, 0): Coordinate (X direction, Y direction) obtained by normalizing the AD data value of the pressed location within the effective range.
- (0, 0): Coordinate (X direction, Y direction) obtained by adding the correction based on calibration to the normalized coordinate.

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[BACK] + pressing the touch panel will make the system return to the remote controller inspection menu.

Explanation of the displayed content.

panel x\_before: X coordinate normalized (expanded) within the effective range. panel y\_before: Y coordinate normalized (expanded) within the effective range. panel x\_after: X coordinate obtained by adding the correction based on calibration. panel y\_after: Y coordinate obtained by adding the correction based on calibration.

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| 1. System boot version | | 1.02 | | 2. System OS version | | 1.02 | | 3. System date version | | 0.90 | | 4. GPS program version | | 0.50 | | 5. Application version | | 0.040000 | | 6. Syscom version | | 8.07 | | 7. TV ucom version | | 8.02 | | 8. Drive core version | | 8.02 | | 9. Drive apl version | | 8.08 | | 10. Drive atapi version | | NON | |

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1	System boot	Version information of the	[** **]. \/:::	DI COCDOT DD C
٥	version	system software BOOT section (FLASH) is displayed.	[**.**]→ Version information of the system software BOOT section.	PL030BOT.PRG
2	System OS version	Version information of the system software OS section (FLASH) is displayed.	[**.**]→Version information of the system software OS section. [NG]→System program does not exist.	PLO30SYS.PRG
3	System data version	Version information of the system software data section (SDRAM) is displayed.	[**.**]→Version information of the system software data section. [NG]→System data do not exist.	PLO30SYS.DAT
4	GPS program version	Version information of the GPS program (DRAGON) is displayed.	[**.**]→Version information of the GPS program. [NG]→GPS program does not exist.	PLO30GPS.PRG
5	Application version	Version information of the application program (SDRAM) is displayed.	[**.**]→Version information of the application program. [NG]→Application program does not exist.	PLO30APL.PRG
6	Syscom version	Version information of the system microprocessor is displayed.	[**.**]→Version information of the system microprocessor. [NG]→Communication with the system microprocessor has not been established.	
7	TV ucom version	Version information of the microprocessor for TV is displayed.	[**.**]→Version information of the microprocessor for TV.  [NG]→Communication with the microprocessor for TV has not been established.	
8	Drive core version	Core version information of the microprocessor for mechanism control is displayed (V+R).	[**.**]→Core version information of the microprocessor for mechanism control.  [NG]→Communication with the microprocessor for mechanism control has not been established.  [NON]→ROM only is for mechanism control.	
9	Drive apl version	Application version information of the microprocessor for mechanism control is displayed (V+R).	[**.**]→Application version information of the microprocessor for mechanism control.  [NG]→Communication with the microprocessor for mechanism control has not been established.  [NON]→ROM only is for mechanism control.	
10	Drive atapi version	Version information of the microprocessor for mechanism control is displayed (ROM only).	[**.**]→Version information of the microprocessor for mechanism control.  [NG]→Communication with the microprocessor for mechanism control has not been established.  [NON]→V+R mechanism control.	

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#### 1. Error Information

Descriptions of error information, for errors arising from system software problems, will be provided in this section.

Up to eight sets of information, related to the system software's errors, will be stored in the SRAM.

By executing hi\_sysdwn() the line number (on which the error occurred), the error code and detailed information of the error, will be stored in the error log.

Hi\_sysdwn() will be executed in the following two circumstances:

- 1. hi\_sysdwn() will be intentionally stored if fatal errors occur with each BIOS.
- 2. If multiple exceptions, fatal exceptions, illegal command codes and trap command errors occur.

# 2. Error Log's Entry Function

Up to twenty-four sets of information, related to errors starting with the latest error, will be displayed by the error log entry function.

There are two types of error log displays.

The display will vary when the argument provided to hi\_sysdwn(), depending on whether detailed information (such as program name, version number, creation date, creation time and creator name) exists or not.

#### 1. When detailed information exists:

\*\* ERROR INFORMATION \*\*

ERCD = 00000028(40)

FILE = ini\_usf.c

LINE = 510(000001fa)

VERS = 1.1.1.1

DATE = 2003/08/08

TIME = 06:07:26

AUTH = daisuke

ERROR-TIME ffff-ff ff:ff:ff

No.4 ← ERROR No.3 → No.2

Stop when push [BACK] button.

ERCD	Error code.
FILE	Error occurring program name.
LINE	Error occurring program line number.
VERS	Error occurring program version number.
DATE	Error occurring program creation date.
TIME	Error occurring program creation time.
AUTH	Error occurring program creator name.
ERROR-TIME	Error occurrence date and time.

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2. When detailed information does not exist:

\*\* ERROR INFORMATION \*\*

type = 000000b7(183)
ercd = ffffc002(-16382)
inf = ffb7ac18(-4740072)

ERROR-TIME ffff-ff ff:ff:ff
No.2 ← ERROR No.1 → No.24
Stop when push [BACK] button.

type	Error occurring program line number.
ercd	Error code.
inf	System down information.
ERROR-TIME	Error occurrence date and time.

If an error occurs due to a multiple exception, the definitions will change to the following:

type	Execution address at the time of error occurrence.	
ercd	Contributing factor for the exceptions.	
inf	Program status word at the time of error occurrence.	
ERROR-TIME	Error occurrence date and time.	

#### 3. Error Information Switch

The product (with default settings) will display error messages to the user if an error occurs. Error information can be displayed if an error occurs by switching the error information in the test mode. In either case, the error log entry display will be the same.

- 1) Error message display (default settings):
- · Setting in the test mode:

# 1. Change to display error [Message] 2. Start within debug shell [On] 3. Program loading [Disc version] 4. GPS assessment 5. File maintenance 6. Program forced write <== back page ==> next page SYSTEM Ver.: [BOOT]0.65 [OS]0.65

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· Display when an error occurs:

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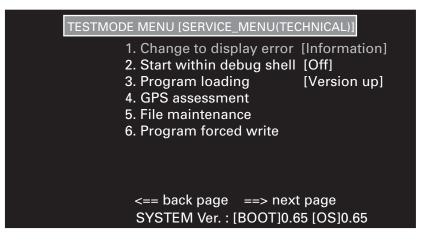
An error has occured.
Please turn power off and on again.

Une erreur a été décelée.
Veuillez éteindre puis rallumer le système.

Fehler.
Bitte System aus- und wieder einschalten.

### 2) Error information display

• Settings in the test mode:



Display when an error occurs:

• If error information exists:

```
** ERROR INFORMATION **

ERCD = ffffffff(-1)

FILE = tsk_ini.c

LINE = 152(00000098)

VERS = 1.11

DATE = 2003/04/03

TIME = 04:59:10

AUTH = jin

ERROR-TIME ffff-ff ff:ff:ff
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• If error information does not exist:

\*\* ERROR INFORMATION \*\*

type = 00000109(265)
ercd = 00000001(1)
inf = ffe83230(-1560016)

ERROR-TIME ffff-ff ff:ff:ff

4. Watch dog timer

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This product has a built-in mechanism to monitor at a certain interval whether the software is correctly operating or not.

Once this mechanism becomes inoperable, "reset request" will be sent to the power supply microprocessor when a preset time (approximately 4 seconds) has elapsed.

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In order to record operational situation of such an occasion, a special code which is not an error code is recorded in the ERCD.

Display	Content of inspection
Reverse	Reverse port status
Parking	Parking port status
Pulse	Pulse status
SDRAM size	SDRAM capacity (32M or 64M)

How to operate.

6

[BACK] : Return to the test mode menu. [NAVI] : Update of the port status.

# GPS assessment

FLASH	Display of DRAGON FLASH ROM version information.
GPS	Display of GPS version information.
SENSOR	Display of sensor version information

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SENSOR TEST

G-SENSOR : 1.9875 [V]

GYRO : 2.4804 [V]

POWER : 14.9453 [V]

FIT UP : OK(Best)

DISTANCE : SPEED PULSE

LOW SPEED : OK

Press [BACK] to return

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G-SENSOR	Display of G sensor voltage			
GYRO	Display of gyro voltage			
POWER	Display of power supply voltage			
FIT UP	Display of installation status			
	Display	Status		
	• NG	Installation position is NG.		
	• OK	Installation position is OK. (3rd best)		
	OK (Better)	Installation position is OK. (2nd best)		
	OK (Best)	Installation position is OK. (B	est)	
DISTANCE	Display of distance of	alculation status.		
	Display	Status		
	• INITIALIZE	Sensor initial learning is under way.		
	• GPS	GPS distance. (Model without G sensor.		
		No pulse connection.)		
	• G-SENSOR	G sensor distance. (simple hybrid.)		
	• ND-PG1	ND-PG1 distance.		
	SPEED PULSE	Vehicle speed pulse distance.		
LOW SPEED	Display of minimum (Depends on DISTAN	output speed of a low speed I NCE status.)	NG vehicle.	
	DISTANCE status	SPEED PULSE status	Display	
		Low vehicle speed pulse	CHECK	
		learning is under way.		
	SPEED PULSE	Low vehicle speed pulse is	OK	
		OK.		
		Low vehicle speed is NG.	NG xx[km/h]	
	Others			

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#### **CAUTIONS**

Protection is not operational against a mechanical runaway conditions during servo testing. Critical damage can result if the system is allowed to continue in a mechanical runaway state. If abnormal noise is heard during the test, turn the power OFF immediately.

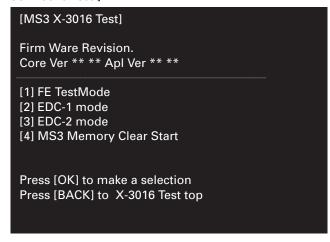
Keys used for the DVD test mode

[OK]: Selection decided.

[BACK]: Go back.

Directional keys : [↑ ↓ ← →] keys

#### [ MS3 X-3016 Test ]



Firm Ware Revision: Version of the drive used.

- [1] Start the FE test mode.
- [2] EDC1 mode (available for DVDs only).
- [3] EDC2 mode (available for DVDs only).
- [4] Executes the MS3 memory cleaning operation.
- [OK] Executes.
- [BACK] Returns to the test mode menu.

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**2 3 4** 

# [ X-3016 FE Test menu ]

[X-3016 FE Test menu]
Status: Power Off Data: 0000 0000

[1] Power On
[2] Disc tipe: DVD 1-Layer
[3] Disc tipe: DVD 2-Layer
[4] Disc tipe: CD
[5] Disc tipe: CD-RW
[6] Disc Eject

Press [OK] to make a selection
Press [BACK] - Test top(Power Off)

Status: "Power Off (during normal conditions)."

- [1] Power On (proceed to servo test 1-0).
- [2] Disc type : DVD single-layer.
- [3] Disc type: DVD double-layer.
- [4] Disc type : CD.
- [5] Disc type : CD-RW.
- [6] Ejects the Disc.
- [OK] Executes.

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[BACK] Returns to the initial screen display for the test.

#### [ X-3016 DVD Test ]

[X-3016 DVD Test] EDC-1

Layer: 0
ID: 20 03 0A 63

[1] Select Layer 0
[2] Select Layer 1
[3] Disc Eject

Press [OK] to make a selection
Press [BACK] to DVD Test top(EDC end)

EDC-1 : Performs consecutive EDC tests.

EDC-2: Performs EDC tests for each block.

ID: Performs ID of the test.

- [1] Select layer 0.
- [2] Select layer 1.
- [3] Ejects the Disc.
- [OK] Executes.
- [BACK] Returns to the test mode menu.

EDC-1: Performs consecutive EDC tests. EDC-2: Performs EDC tests for each block.

ID: Performs ID of the test.

- [1] Moves the cursor to the right by one increment.
- [2] Moves the cursor to the left by one increment.
- [3] Moves the cursor up by one increment.
- [4] Moves the cursor down by one increment.
- Starts the EDC test. [5]
- [6] Ejects the Disc.
- Executes. [OK]
- [BACK] Returns to the test mode menu.

#### [ X-3016 DVD 1-Layer Servo. Test(1-0) ]



Test items are basically the same for both DVDs and CDs.

Status: "Power On (during normal conditions)."

- Closes in on the focus (proceed to servo test 2-0). [1]
- [2] Performs a focus search operation (S-curve measurement). Focus operation will then be stopped.
- [3] Moves the carriage (external). The carriage transition operation will then be stopped.
- Moves the carriage (internal). The carriage transition operation will then be stopped. [4]
- Performs LD-ON/OFF operation. [5]
- Returns the carriage to the home position. [6]
- Returns to the DVD test menu screen display.
- \* This operation will not be performed until the coefficient figures have been received.
- \* Focus closing and searching will not operate unless the LD-ON setting is made to less than 9 seconds.

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[X-3016 DVD 1-Layer Servo. Test(2-0)]

[X-3016 DVD 1-Layer Servo.Test(2-0)]
Status: Focus Closed Data: 2000 0000

[1] T.Bal
[2] Focus Jump
[3] CRG + (Start/Stop)
[4] CRG - (Start/Stop)

FE MAX: 0000 0000 FE MIN : 0000 0000
AS MAX: 0000 0000 ENV MAX: 0000 0000
FE Normal: 0000 0000
TE MAX: 0000 0000 TE MIN : 0000 0000

Press [OK] to make a selection
Press [BACK] to DVD-1

Test items are basically the same for both DVDs and CDs.

Status: "Focus Close (during normal conditions)."

- [1] Adjusts tracking balance (proceeds to servo test 3-0).
- [2] Performs a focus jump operation.
- [3] Moves the carriage (external). The carriage transition operation will then be stopped.
- [4] Moves the carriage (internal). The carriage transition operation will then be stopped.
- [BACK] Returns to the DVD test menu screen display.

[X-3016 DVD 2-Layer Servo. Test(3-0)]

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[X-3016 DVD 2-Layer Servo.Test(3-0)]
Status: Focus Closed2 Data: 3000 0000

[1] Tracking Close
[2] CRG + (Start/Stop) [3] CRG - (Start/Stop)

T.Bal(Layer 0): 0000 0000
T.Bal(Layer 1): 0000 0000
TE Normal(Layer 0): 0000 0000
TE Normal(Layer 1): 0000 0000

Press [OK] to make a selection
Press [BACK] to DVD-1

Test items are basically the same for both DVDs and CDs.

Status: "Focus Close 2 (during normal conditions)."

- [1] Performs tracking close operation (proceeds to servo test 4-0).
- [3] Moves the carriage (external). The carriage transition operation will then be stopped.
- [4] Moves the carriage (internal). The carriage transition operation will then be stopped.

[BACK] Returns to the DVD test menu screen display.

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<sup>\*</sup> This operation will not be performed until the coefficient figures have been received.

<sup>\*</sup> This operation will not be performed until the coefficient figures have been received.

Test items are basically the same for both DVDs and CDs.

Status: "Tracking Close (during normal conditions)."

- [OK] triggers measurement of the error rates (other operations can not be performed for approximately 10 seconds.
- [2] [OK] triggers switching of the reproduction speed.
- Performs track jumping by a designated number of tracks (external). [3]
- [4] Performs track jumping by a designated number of tracks (internal).
- [5] Performs a focus jump operation (for DVDs only).
- Designates an ID (for DVDs only). [6]
- Performs a tracking open operation (for the focus close status: will proceed to servo test 2-0). [7]
- Returns to the DVD test menu screen display. [BACK]
- \* This operation will not be performed until the coefficient figures have been received.

#### Reproduction speeds

L0-layer DVD x 1.3CLV, CD x 2 4000 0000 DVD x 1CLV L0-laver 4200 0000 L1-layer DVD x 1.3CLV 4100 0000 L1-layer DVD x 1CLV 4300 0000

#### [ X-3016 DVD Servo. Test(4-3) ]

[X-3016 DVD Servo.Test(4-3)] Status: Tracking Closed Data: 4x00 0000 [1] Track appointment [2] Start Track Jump+/-Press [OK] to make a selection Press [BACK] to Back

Test items are basically the same for both DVDs and CDs.

Status: "Tracking Close (during normal conditions)."

- Performs a track number designation (MS3 cyclically switches the available patterns). [1]
- Starts the tracking jump operation (will proceed to servo test 4-0). [2]

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**2** 3 4

# [ X-3016 DVD Servo. Test(4-6) ]

[X-3016 DVD Servo.Test(4-6)]
Status :Tracking Close Data : 4A00 0000

[1] ID appointment : 0000 0000
[2] cursor right
[3] cursor left
[4] cursor up
[5] cursor down
[6] Start ID Search

Press [OK] to make a selection
Press [BACK] to Back

# Available for DVDs only.

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Status: "Tracking Close (during normal conditions)."

- [1] Displays designated ID.
- [2] Moves the cursor to the right by one increment.
- [3] Moves the cursor to the left by one increment.
- [4] Moves the cursor up by one increment.
- [5] Moves the cursor down by one increment.
- [6] Starts the ID search operation (return to servo test 4-0).

# Display data of adjustment value

FE Offset	FE offset coefficient	0000 0000[h] - FFFF FFFF[h]
TE Offset	TE offset coefficient	0000 0000[h] - FFFF FFFF[h]
AS Offset	AS offset coefficient	0000 0000[h] - FFFF FFFF[h]
ENV Offset	ENV offset coefficient	0000 0000[h] - FFFF FFFF[h]
TG Offset	TG offset coefficient	0000 0000[h] - FFFF FFFF[h]
DBAL	DBAL offset coefficient	0000 0000[h] - FFFF FFFF[h]
FE MAX	FE MAX level	0000 0000[h] - FFFF FFFF[h]
FE MIN	FE MIN level	0000 0000[h] - FFFF FFFF[h]
AS MAX	AS MAX level	0000 0000[h] - FFFF FFFF[h]
ENV MAX	ENV MAX level	0000 0000[h] - FFFF FFFF[h]
FE Normal	FE normalize coefficient	0000 0000[h] - FFFF FFFF[h]
S.Gain	Spindle gain coefficient	0000 0000[h] - FFFF FFFF[h]
T.Bal (layer-0)	TBAL coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
T.Bal (layer-1)	TBAL coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
G.Bal (layer-0)	GBAL coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
G.Bal (layer-1)	GBAL coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
TE Normal (layer-0)	TE normalize coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
TE Normal (layer-1)	TE normalize coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
F.Bal (layer-0)	FBAL coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
F.Bal (layer-1)	FBAL coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
F.Gain (layer-0)	Focus gain coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
F.Gain (layer-1)	Focus gain coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
T.Gain (layer-0)	Tracking gain coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
T.Gain (layer-1)	Tracking gain coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
AS Normal (layer-0)	AS normalize adjustment value (layer-0)	0000 0000[h] - FFFF FFFF[h]
AS Normal (layer-1)	AS normalize adjustment value (layer-1)	0000 0000[h] - FFFF FFFF[h]

# 6.8 USING THE TEST DISC

TEST DISC Part No.: GGV1137

## REMOTE CONTROLLER Part No.

Part No.	Description
CXB7427	Co-packed remote controller with AVIC-8DVD/EW
CXB7426	Co-packed remote controller with AVIC-9DVD/EW, UC
CXB9118	Co-packed remote controller with AVIC-8DVD-2/EW, -9DVD-2/EW, -90DVD/UC
CD-R11	Optional remote controller

#### 1. Start/End

#### 1-1. Start

When the test disc is inserted, the title "NN622/NN623 TEST DISC" will be displayed. If [RETURN] key is pressed while the title is being displayed, the menu screen will be displayed. If no key is pressed, the first screen of the inspection screen for line will be displayed.



# 1-2. End

No action is taken.

# 2. Key operation

- · In the case of inspection screen for line
- 1. The inspection screen and the menu screen can be switched alternately using the [CR] key on the remote controller.
- 2. The screen will go back to the previous screen by the [ †] key on the remote controller.
- 3. The screen will move forward to the next screen by the [↓] key on the remote controller. (Unless the inspection is finished, the screen will not move forward. The screen will not move forward, too, if there is an NG item.)
- \* Refer to the explanation of each screen for the details.
- In the case of service menu screen
- 1. Select an inspection item by the [↑] and [↓] keys on the remote controller, and inspection screen will appear when the [CR] key is pressed.
- 2. When the [RETURN] key on the remote controller is pressed, the screen will go back to the menu screen.
- \* Refer to the explanation of each screen for the details.

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1 2 3 4

## Menu screens

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--- Self Test Menu ---1. External Connection 2. Dual Illumination check Dual Humination Check
 Touch Panel check
 Microphone & Gain control
 Data Communication (Short)
 Data Communication (Open)
 Natural Drawing & Rear View [CR KEY] The selected menu is started. В --- Self Test Menu ---8. VTR In check 9. FM multiplex tuner error 10. GPS Self check 11. Software version display
12. Language Flag setup mode
13. Memory all cleay 14. GPS sensitivity measurement С [CR KEY] The selected menu is started. --- Self Test Menu ---15. Picture RGB check 16. GPS information 17. Sound play18. File Maintenance mode D 19. Picture check 20. Device check(Design engineer only)21. Memory all clear (for Service) [CR KEY] The selected menu is started. Ε --- Self Test Menu ---22. BackUp Memory clear 23. -----25. -----27. - - - - - - -28. -----[CR KEY] The selected menu is started. F

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1 3 4

# 1. Connection check

1. Connection check Illumination signal Parking brake signal ON Reverse gear signal Car speed signal **REV** Gvro LEFT << 42374 Gyro voltage 2.434V OK délta sigma Battery voltage G sensor G sensor voltage delta sigma Remote controller Mic connect [joy stick down] It progresses to the next inspection.

- The status of the item indicated in the above figure will be updated every second.
- Set ANTON port to H when starting the inspection and set to L when ending.
- When the gyro is in operation, a BEEP sound will be made when the G sensor is activated. Right: 500Hz, Left: 700Hz. Up: 800Hz, Down: 600Hz
- Conditions for moving on to the next inspection

Illumination status is changing between ON and OFF.

Parking brake status is changing between ON and OFF.

Reverse status is changing between NOR and REV.

Pulse is changing to a value other than 0/0.

Mic connect status is changing between ON and OFF.

All keys on the main body as listed below have been pressed at least once.

#### Standard value for other items

GYRO voltage

OK: 2.5±0.15

USABLE: 2.5±0.30

GYRO variation

OK: Less than 30

 G sensor voltage OK: 2.5±0.15

USABLE: 2.5±0.30

G sensor variation

OK: Less than 60

• Only when all the conditions are met, you can move on to the next inspection by the [ \ ] key on the remote controller. It should be noted, however, that you will not be able to move on to the next inspection if there is an error (background color is red) even if the conditions are met.

#### <Supplemental explanation regarding error display>

Displayed message	Details of the error
Structural data error	An error when data cannot be received from A/D converter.
	Defective device of the A/D converter seems to be the cause.
	It will also happen in case the vehicle speed pulse cannot be measured. (rare)
No connection to DRAGON	An error when communication with DRAGON cannot be established.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Command error	Time out error for response to BIOS call.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Unknown error	Error due to unknown reason.

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2. Dual Illumination color check

2. Dual Illumination color check

[NAVI] The color of illuminations is changed.
[joy stick down] It progresses to the next inspection.

- Color switching for dual illumination can be made.
- In the case of UC model, this inspection will not be performed, and the system will move on to the next inspection.
- Color is changed to GREEN/LED by the [NAVI] key on the remote controller.
- Move on to the next inspection by the [↓] key on the remote controller.

#### 3. Touch Panel check

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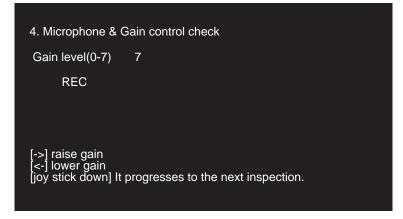
Е



- Touch panel inspection must be performed at 16 locations.
- If the coordinate obtained by pressing the white spot is within the effective range, it will be determined as OK, and the next white spot will be displayed.
- If the coordinate obtained is outside of the effective range, it will be determined as NG.
- If all 16 locations turned out to be OK, then this test is considered to be OK.
- If coordinate cannot be obtained in approximately 5 seconds after the white spot is displayed, the inspection is determined as NG.
- Only if the inspection is OK, the inspection will move on to the next step by the [ \ \ \ ] key on the remote controller.

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- The voice channel is inspected by recording the voice from MIC input (Lch) on a memory, playing back the recorded data and outputting from the SP.
- Recording of MIC input voice and playback of the recorded data is done at every second. ("1 second recording 1 second playback" will be repeated during inspection.) "REC" and "PLAY" will be displayed on the screen during
  recording and play back, respectively.
- · Voice channel

MIC voice input → ADC Lch input → ASIC voice block → Data storage (recorded on the memory)
Play back of recorded voice data → ASIC voice block → DAC Lch output → SP output

Operation (remote controller)

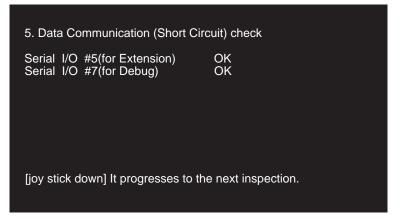
[-]: MIC input gain (PROGGAIN0-2) is lowered.

[→]: MIC input gain (PROGGAIN0-2) is increased.

[NAVI]: Muting of ONSEIMUTE signal is switched between ON and OFF by a toggle switch.

[↓]: Move on to the next inspection.

5. Data Communication (Short Circuit) check (Not for service)



- SIO connection short is checked.
- Loop back check is performed on 5CH and 7CH.
- · Wait screen is displayed until the checking is completed.
- When [RETURN] key on the remote controller is pressed while the inspection result is being displayed on the screen, inspection will be performed once again.
- Only in the case of OK, you can move on to the next inspection by the [↓] key on the remote controller.

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6. Data Communication (Open Circuit) check

Serial I/O #5(for Extension) OK
Serial I/O #7(for Debug) OK

[joy stick down] It progresses to the next inspection.

• SIO connection open is checked.

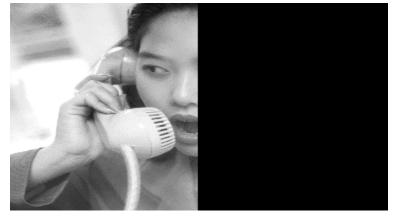
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- Check is performed on 5CH and 7CH.
- Do not connect anything to the terminal. OK will be indicated under "open" condition.
- Wait screen is displayed until the checking is completed.
- When [RETURN] key on the remote controller is pressed while the inspection result is being displayed on the screen, inspection will be performed once again.
- Only in the case of OK, you can move on to the next inspection by the [ \ \ \ \ ] key on the remote controller.

## 7. Natural Drawing & Rear View



- Natural image consisting of 256 colors will be drawn on the BG screen.
- ADPCM 1kHz sine wave at the sampling rate of 19kHz will be output for 30 seconds.
- Rear view image will be displayed on the right hand side of the screen.
- GUIDEON terminal will be set to H when entering the screen, and set to L when exiting the screen.
- Volume level can be changed by the [←] and [→] keys on the remote controller. (0 to 9)

[JPEG file name: ZHITO1.JPEG] [Voice file name: A19K01KS.WAV]

• You can move on to the next inspection by the [ \ \ ] key on the remote controller.

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8. VTR check

[joy stick down] It progresses to the next inspection.

- External input image (VTR input image) is displayed and voice is outputted.
- You can move on to the next inspection by the [↓] key on the remote controller.
- 9. FM multiplex tuner error rate measurement

9. FM multiplex tuner error rate measurement

Push Back key to go to re-check.

FM Frequency 87.50
Frequency to check 87.50
Blocks Received Correctly 0500
Blocks with one bit corrected 0000
Blocks with two bits corrected 0000
Blocks Received with error 0000

[<--> to adjust FM frequency]
[joy stick down] It progresses to the next inspection.

- FM multiplexing error is measured.
- In the case of UC model, this inspection is not performed and the system will move on to the next inspection.
- Default frequency is 87.5MHz.
- When entering this mode for the first time, the result of measurement at the time of test disc boot up will be displayed.
- After the measurement is taken, the frequency can be changed by the [←] and [→] keys.
- 500 blocks will be measured, and if there are 450 or more blocks without error, then it will be determined as OK.
- Only in the case of OK, you can move on to the next inspection by the [ \dagger ] key on the remote controller.

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#### 10. GPS Self check

10. GPS Self check

2002/12/12 15:35:23

Using satellites NO.
01 02 03 04 05 06 07 08

Antenna connection

Receiving signal level
Latitude
3D 35 55 47.1
Longitude

[joy stick down] It progresses to the next inspection.

- · GPS receiving status will be displayed.
- Conditions to move on to the next inspection.

Antenna connection is OK.

Data is received from one or more satellite.

Time is being displayed.

- When all the conditions are met, the background color will change to blue.
- Only when all the conditions are met, you can move on to the next inspection by the [↓] key on the remote controller.

It should be noted, however, that you will not be able to move on to the next inspection if there is an error (background color is red) even if the conditions are met.

## <Supplemental explanation regarding error display>

Displayed message	Details of the error
No connection to DRAGON	This is an error when communication with DRAGON is not established.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Command error	Time out error for response to BIOS call.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Invalid data	This is an error when request is made while the data for response is not
	prepared (not obtained from DRAGON).
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.

#### 11. Software version

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11. Software version	
System boot version System OS version Syscon version TV ucom version Monitor ucom version Drive core version Drive apl version GPS program version GPS model HydeAway model Region code	1.00 1.00 6.11 7.06 6.04 9.22 8.21 5.02 03/09/09 3.60 04EW DVD (0x22) 04EW DVD
[joy stick down] It progresses to	the next inspection.

- It indicates the version information of the software.
- As for the "GPS model", it will be considered OK if either "04EW DVD" or "04UC DVD" is displayed.
- As for the "Hide away model", it will be considered OK if either "04EW DVD" or "04UC DVD" is displayed.
- As for the region code, it will be considered OK if "2" is displayed in the case of EW model and if "1" is displayed for UC model.
- When "GPS model", "Hide away model" and "region code" are all OK, you can move on to the next inspection by the [↓] key on the remote controller.

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- When the system enters into this inspection, language selection will be set to the original setting made at the time of shipment (i.e. no setting).
- \* The setting is made to display the screen for selecting the language to be used at the initial boot up after the shipment out of the factory.
- The setting is made when the system enters into this inspection.
- You can move on to the next inspection by the [ \ ] key on the remote controller.
- 13. All memory clear (Not for service)

13. All memory clear

The clearance of SRAM (application domain)
The clearance of FLASH (application domain)
Elimination of a sensor study value

[NAVI] Inspection is performed.

- SRAM (application domain) is cleared.
- FLASH (application domain) is cleared.
- Sensor learning level is cleared.
- If SRAM clear is not successful, FLASH will not be cleared.
- After the inspection screen is displayed, the above process is executed by the [NAVI] key on the remote controller.
- The result of the process is displayed.
- Only when everything is OK, you can move on to the next inspection by the [↓] key on the remote controller.

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#### 14. GPS sensitivity measurement

14. GPS sensitivity measurement

Satellite NO. 3 [<- -> to select satellite]

CH. Look SNR(AMU) SNR(dB)

1 OK 12.3 23.4

2 OK 12.3 23.4

3 OK 12.3 23.4

4 OK 12.3 23.4

5 OK 12.3 23.4

6 OK 12.3 23.4

6 OK 12.3 23.4

7 OK 12.3 23.4

7 OK 12.3 23.4

ALL OK Sensitivity: 20.4(db)

DoppRMS: 1.78(Hz)

[joy stick down] Raw work inspection is ended.

3

- GPS can be changed by the [←] and [→] keys on the remote controller.
- Sensitivity of the selected GPS is displayed by the [RETURN] key on the remote controller.
- Production engineering inspection is ended and service menu is displayed by the [↓] key on the remote controller.

<Supplemental explanation regarding error display>

Displayed message	Details of the error
No connection to DRAGON	This is an error when communication with DRAGON is not established.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Command error	Time out error for response to BIOS call.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.

## 15. Picture RGB check

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- RGB bridge is inspected.
- The screen can be switched by the [←] and [→] keys on the remote controller.
- RGB is drawn in the pattern of R 100%  $\rightarrow$  R 50%  $\rightarrow$  G 100%  $\rightarrow$  G 50%  $\rightarrow$  B 100%  $\rightarrow$  B 50%.
- Total of 6 screens will be displayed.

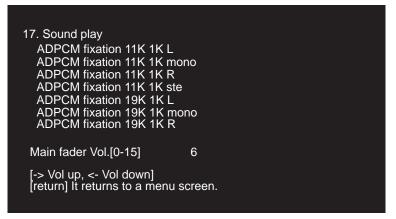
AVIC-N1/UC

## 16. GPS information

	Εv	SNR	Flag	Acc	Doppler	SrchW
119	39	3.0	UY	3	-2249	2883
				2		3496
				ţ		12487
				Ţ		21812
				Ţ		21812
				Į		21812
						5994 5994
142	01	0.0	(1)	3	+0	5994
	25 310 305 317 196 260 142	25 60 310 25 305 33 317 49 196 56 260 73 142 81	25 60 4.9 310 25 0.0 305 33 0.0 317 49 0.0 196 56 0.0 260 73 0.0 142 81 0.0	25 60 4.9 UYC- 310 25 0.0m 305 33 0.0m 317 49 0.0m 196 56 0.0m 260 73 0.0m	25 60 4.9 UYC- 2 310 25 0.0m f 305 33 0.0m f 317 49 0.0m f 196 56 0.0m f 260 73 0.0m f 142 81 0.0m 3	25 60 4.9 UYC- 2 -1051 310 25 0.0m f +0 305 33 0.0m f +0 317 49 0.0m f +0 196 56 0.0m f +0 260 73 0.0m f +0 142 81 0.0m 3 +0

- "Position information" will be displayed when the cursor is at the "Position" position and the [CR] key is pressed on the remote controller.
- "Status information" will be displayed when the cursor is at the "Sv Stat" position and the [CR] key is pressed on the remote controller.
- "Diagnosis information" will be displayed when the cursor is at the "Ver&Diag" position and the [CR] key is pressed on the remote controller.
- "Error information" will be displayed when the cursor is at the "Err Info" position and the [CR] key is pressed on the remote controller.
- · When an inspection is performed, "status information" (the screen shown above) will be displayed first.

## 17. Voice play back



- Voice file (WAVE format) will be played back.
- The voice selected by the [CR] key on the remote controller will be played back.
- Volume level can be changed by the [←] and [→] keys on the remote controller.

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18. File maintenance

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• File can be copied, deleted or dumped. Refer to HELP for "how to use" each function.

#### 19. Picture check MENU

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19. Picture check MENU 1/2

1. Plane
2. Color Bar
3. Cross Hatch
4. Sweep
5. Step
6. Ramp
7. Window
8. Mono Scope
9. Vertical Resolution Column

[Push OK to make a selection]
[return] It returns to a menu screen.

A pattern is selected by the  $[\uparrow]$  and  $[\downarrow]$  keys and an image is displayed by the [CR] key.

- 1. Plain
- ...Display is made in the order of black, blue, red, pink, green, light blue, yellow and white by the  $[\leftarrow]$  and  $[\rightarrow]$  keys operation on the remote controller.
- Color bar
- ...White, yellow, light blue, green, pink, red, blue, black bars will be displayed from left to right.
- 3. Cross hatch
- 4. Sweep
- 5. Step
- 6. Lamp
- 7. Window
- 8. Mono scope
- 9. Cycle line 1
- 10. Cycle line 2
- 11. Horizontal stripe 1
- 12. Horizontal stripe 2
- 13. Chinese character pattern
- 14. Map (map.jpg)
- 15. Natural image (nature.jpg)
- 16. Portrait 1 (hito1.jpg)
- 17. Portrait 2 (hito2.jpg)

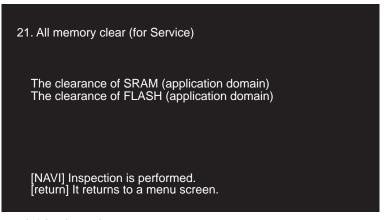
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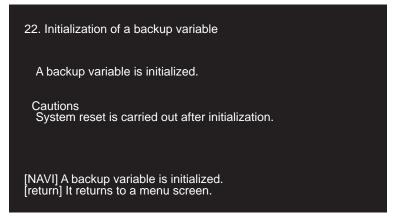
- The above devices will be inspected for engineering purpose.
- A device is selected by the [↑] and [↓] keys on the remote controller, and cleared by the [CR] key.
- On each device screen, a pattern is selected by the [↑] and [↓] keys on the remote controller, and inspection is started by the [CR] key on the remote controller.

#### 21. All memory clear (for Service)



- SRAM (application domain) is cleared.
- FLASH (application domain) is cleared.
- If SRAM clear is not successful, FLASH will not be cleared.
- After the inspection screen is displayed, the above process is executed by the [NAVI] key on the remote controller.
- The result of the process is displayed.

#### 22. Initialization of a backup variable



- · Back up variables are initialized by the [NAVI] key on the remote controller for system reset.
- The screen will return to the menu screen by the [RETURN] key on the remote controller.

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# 7. GENERAL INFORMATION

## 7.1 DIAGNOSIS

## 7.1.1 DISASSEMBLY

## Removing the Grille Assy (Fig.1)



Remove the two screws and then remove the Holder.

Disconnect the connector.



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Remove the two screws and then remove the Grille Assy.

## ■ Removing the Case



Remove the five screws.(Fig.1)



Remove the screw and then remove the Case.(Fig.1)

Note) Inside the product there is a flexible substrate that connects the Case and the Bracket.

Be very careful and do not give it a strong pull when removing the Case, otherwise it may be torn.



Remove the four screws. (Fig.2)

Disconnect the connector and then remove the Bracket. (Fig.2)
Remove the Case.(Fig.1)

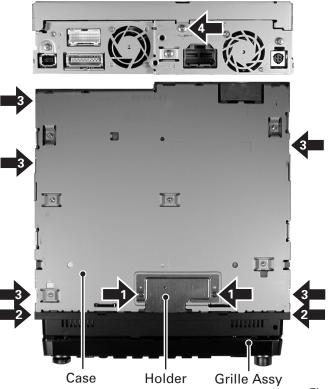


Fig.1

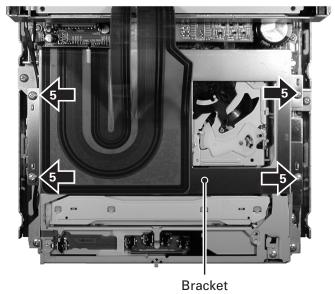


Fig.2

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## ■ Removing the DVD Mechanism Module (Fig.3)



Remove the four screws.

Disconnect the connector and then remove the DVD Mechanism Module.

## ● Removing the Relay PCB (Fig.3)

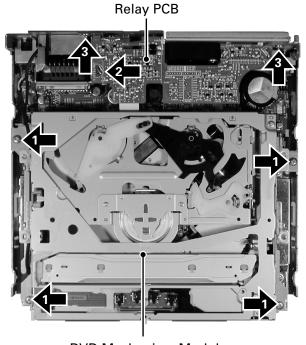


Straighten the tab at location indicated.



Remove the two screws.

Disconnect the connector and then remove the Relay PCB.



**DVD Mechanism Module** 

Fig.3

## Removing the CC Unit (Fig.4)



Remove the screw.

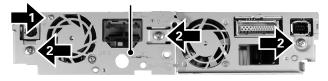


Remove the three screws and then remove the Bracket.



Remove the six screws and then remove the CC Unit.

## **Bracket**



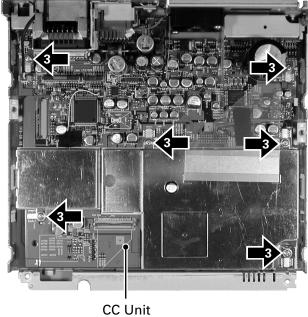


Fig.4

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## ■ Removing the Case (Fig.5)

Remove the two screws and then remove the Holder.



Remove the five screws and then remove the Case.

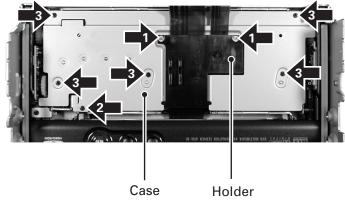


Fig.5

## Removing the Display Assy (Fig.6)



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Disconnect the connector and then remove the Motor Unit.

Remove the two screws and then remove the two Holders.



Note) When reassembling, hold the switch down with tweezers or the like and put the Display Assy back to the Chassis. Otherwise, the switch may be damaged and not function properly.

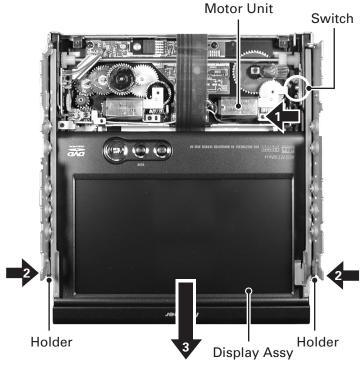
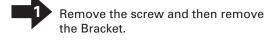


Fig.6

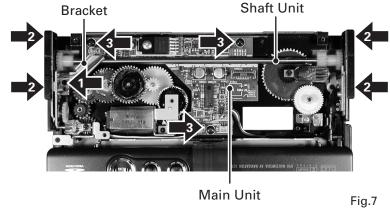
## ■ Removing the Main Unit (Fig.7)



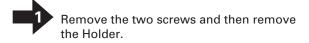
Remove the four screws and then remove the Shaft Unit.

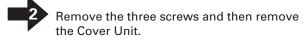
Remove the three screws.

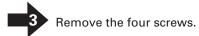
Disconnect the connector and then remove the Main Unit.



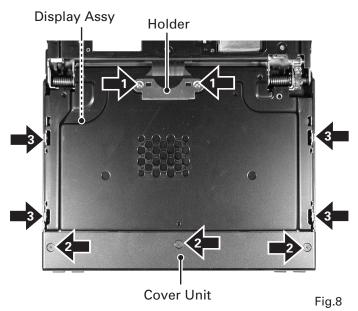
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Disconnect the connector and then remove the Display Assy.

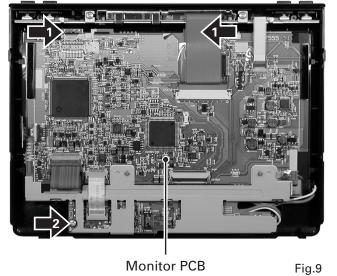


## Removing the Monitor PCB (Fig.9)





Disconnect the connector and then remove the Monitor PCB.



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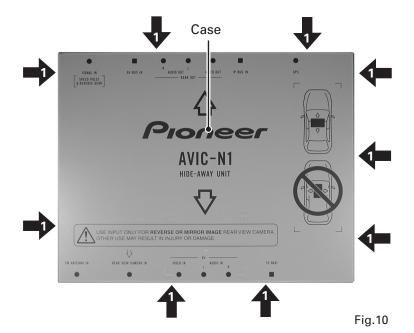
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## Removing the Case (Fig.10)

Remove the nine screws and then remove the Case.



## Removing the Mother Tuner Unit (Fig.11)

Remove the four screws.

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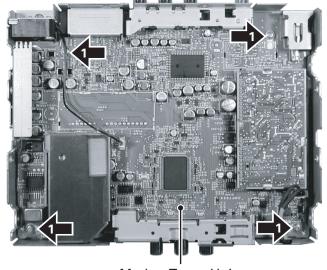
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Disconnect the connector and then remove the Mother Tuner Unit.



Mother Tuner Unit

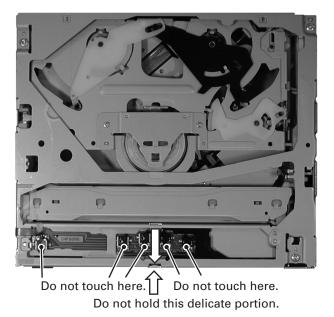
Fig.11

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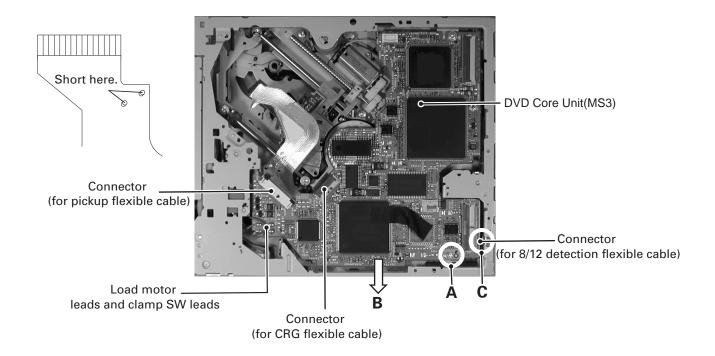
3

- 1. Hold the upper and main frames.
- 2. Do not hold the front portion of the upper frame. It is a delicate part.
- 3. Do not touch the switches on the top panel.
- 4. Be careful not to catch the flexible cables.



## Removing the DVD Core Unit(MS3)

- 1. Set the mechanism to the lock position (disc load standby position).
- 2. Place the mechanism module upside down.
- 3. Short the two lands on the pickup flexible cable as shown below.
- 4. Be sure to disconnect the pickup flexible cable and the CRG flexible cable from the connectors to protect them from damages.
- 5. Remove solder from the load motor leads and clamp SW leads.
- 6. Loosen the two fixing screws. Lift the position A of the DVD Core Unit lightly and move it in the direction B to remove it. Be careful not to damage the flexible cable C.
- 7. Disconnect the 8/12 detection flexible-cable from the connector.



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## Removing the Pickup Unit

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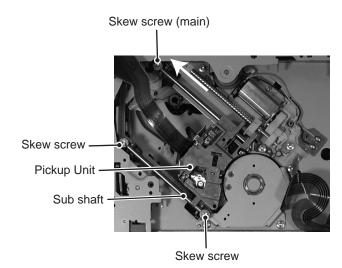
- 1. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 2. While holding the pickup case, remove the Skew screw (main).
- 3. Lifting the end of the pickup rack, slide the main shaft, and remove the Pickup Unit.

Replacing the pickup unit requires the skew adjustment.

Remove glue from both ends of the main and sub shafts, and skew stud.

Do not reuse the old skew screw. Be sure to use a brand-new skew screw supplied with a new Pickup Unit.

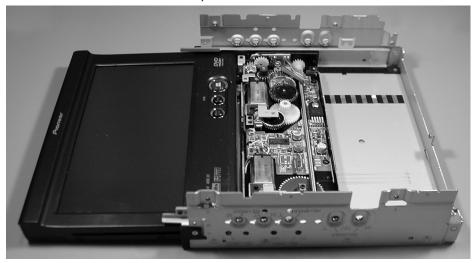
Fix the skew screw with Screw lock (GYL1001) after adjustment.



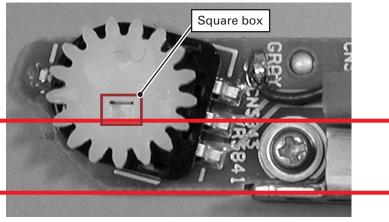
AVIC-N1/UC

When install the Volume Unit, adjust the positioning of the rotating angle of the gear.

1. Set the Monitor Unit horizontally with the Main Unit of the Drive Unit.

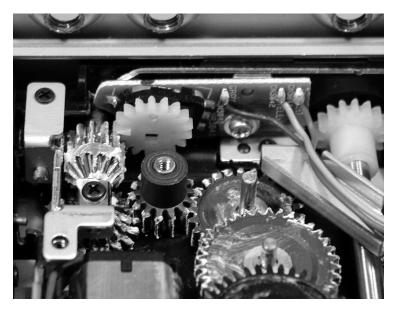


2. When install the gear unit, rotate the gear by hand until the square box of the gear keeps in a horizontal position like the figure below.



\*Gap of one teeth is acceptable.

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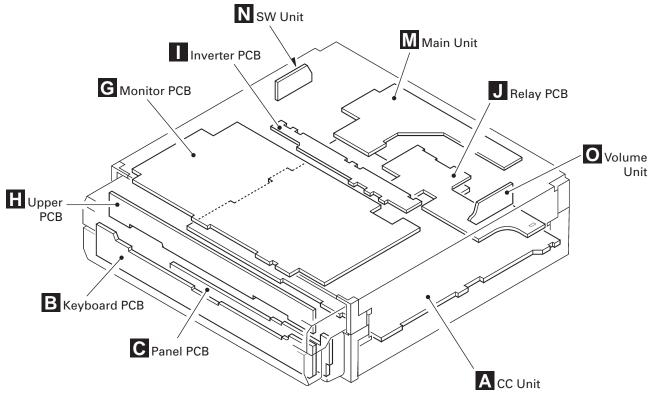
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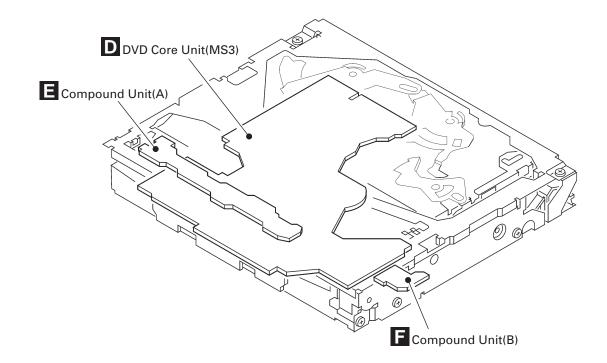
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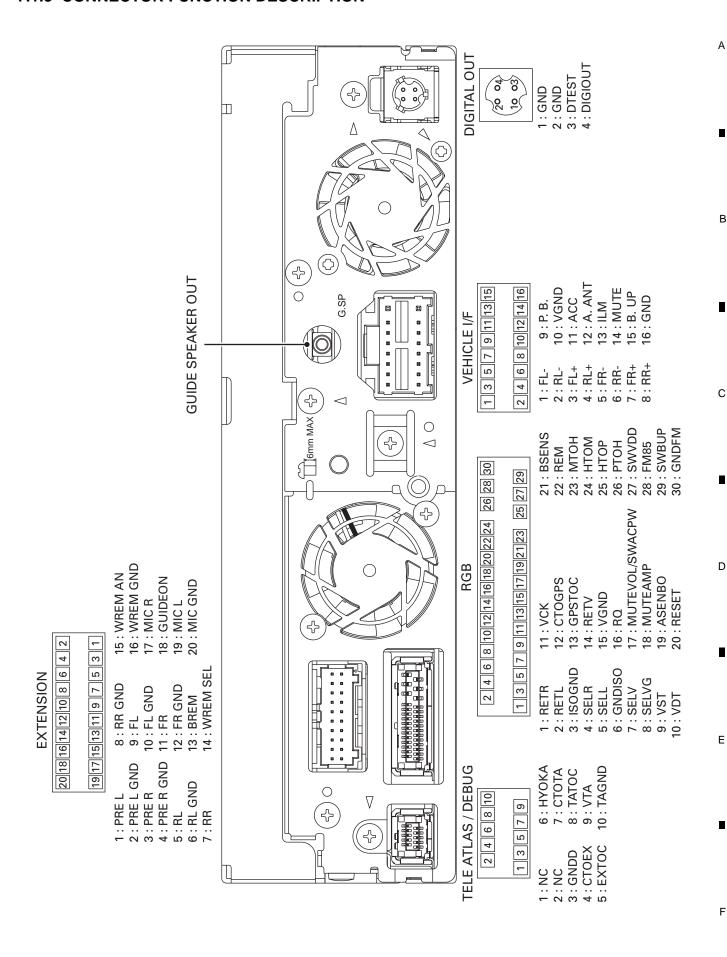
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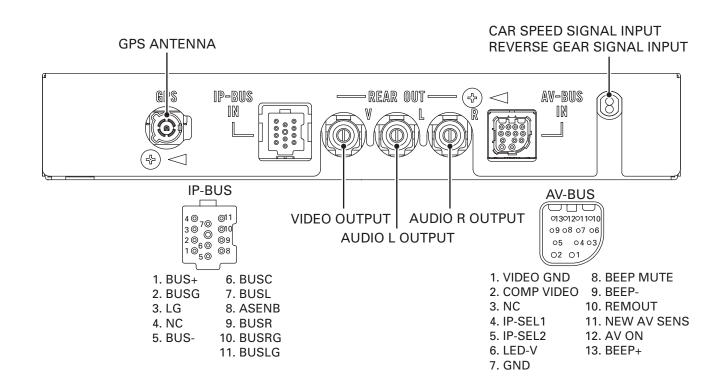
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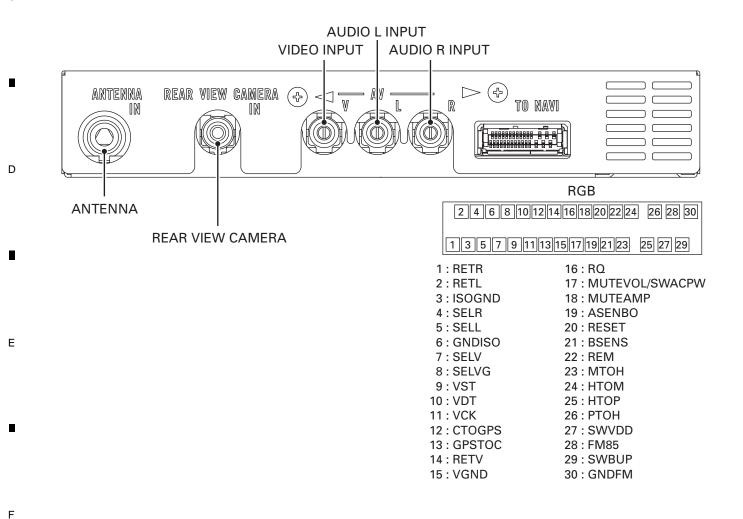
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## **CONNECTOR FUNCTION DESCRIPTION**



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## 7.2 PARTS 7.2.1 IC

AK4351VT AK5381VT HY57V561620CLT-H K4S561632E-TL75 PD6466A(UC model) PD6461A(EW model) PD6467A(UC model) PD6462A(EW model)

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MB86291APFVS-G-DL S-L2980A33MC-C6S NJM2561F1 PD6336B PD5937A PD3390A LC72720YVS(EW model)

6

SBX3050-01 PD6473A(UC model) PD6472A(EW model) PD6340A PE5413A S-80835CNNB-B8U SI6544DQ TK15404AMI

7

S-93C46BR0I-J8T1 R1224N102H HA12240FP S-L2980A50MC-C7J S-812C33AMC-C2N PE5412A(UC model) PE5411A(EW model)

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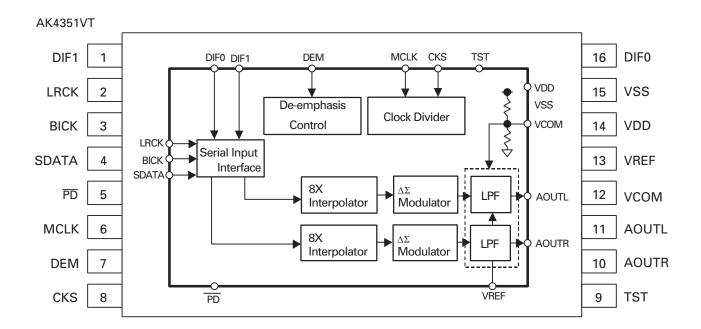
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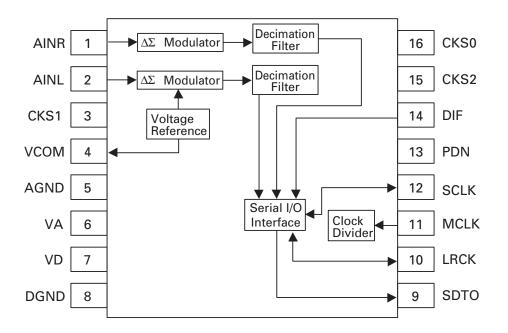
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IC's marked by \* are MOS type.

Be careful in handling them because they are very liable to be damaged by electrostatic induction.

#### \* HY57V561620CLT-H

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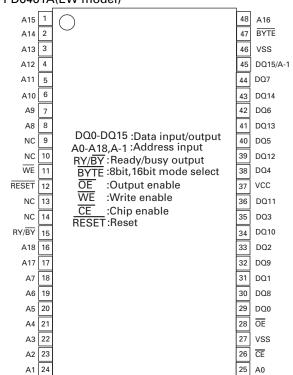
Е

#### VDD1 1 54 VSS3 DQ0 2 53 DQ15 VDDQ1 3 52 VSSQ4 DQ1 4 51 DQ14 DQ2 5 A0-A11: Address input 50 DQ13 BA0-BA1 : Bank select address VSSQ1 6 49 VDDQ4 DQ0-DQ15 : Data input/output CLK: Clock input DQ3 7 48 DQ12 CKE: Clock enable DQ4 8 47 DQ11 CS: Chip select RAS: Row address strobe VDDQ2 9 46 VSSQ3 CAS: Column address strobe DQ5 10 WE: Write enable LDQM: Lower DQ mask enable 45 DQ10 DQ6 11 44 DQ9 UDQM : Upper DQ mask enable VDD : Power supply VSS : GND VSSQ2 12 43 VDDQ3 DQ7 13 VDDQ: Data output power supply VSSQ: Data output GND NC: Not used 42 DQ8 VDD2 14 41 VSS2 LDQM 15 40 NC WE 16 39 UDQM CAS 17 38 CLK RAS 18 37 CKE CS 19 36 NC BA0 20 35 A11 BA1 21 34 A9 A10/AP 22 33 A8 A0 23 32 A7 A1 24 31 A6 A2 25 30 A5 A3 26 29 A4 VDD3 27 28 VSS1

#### \* K4S561632E-TL75

45561	032	E-1L/5	
VDD	1	0	54 VSS
DQ0	2		53 DQ15
VDDQ	3		52 VSSQ
DQ1	4		51 DQ14
DQ2	5	A0-A11: Address input	50 DQ13
VSSQ	6	BA0-BA1 : Bank select address DQ0-DQ15 : Data input/output	49 VDDQ
DQ3	7	CLK : Clock input CKE : Clock enable	48 DQ12
DQ4	8	CS: Chip select	47 DQ11
VDDQ	9	RAS : Row address strobe CAS : Column address strobe	46 VSSQ
DQ5	10	WE: Write enable	45 DQ10
DQ6	11	LDQM : Lower DQ mask enable UDQM : Upper DQ mask enable	44 DQ9
VSSQ	12	VDD : Power supply VSS : GND	43 VDDQ
DQ7	13	VDDQ : Data output power supply	42 DQ8
VDD	14	VSSQ : Data output GND NC : Not used	41 VSS
LDQM	15		40 NC
WE	16		39 UDQM
CAS	17		38 CLK
RAS	18		37 CKE
CS	19		36 NC
BA0	20		35 A11
BA1	21		34 A9
A10/AP	22		33 A8
A0	23		32 A7
A1	24		31 A6
A2	25		30 A5
А3	26		29 A4
VDD	27		28 VSS
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- \* PD6466A(UC model)
- \* PD6461A(EW model)



- \* PD6467A(UC model)
- \* PD6462A(EW model)

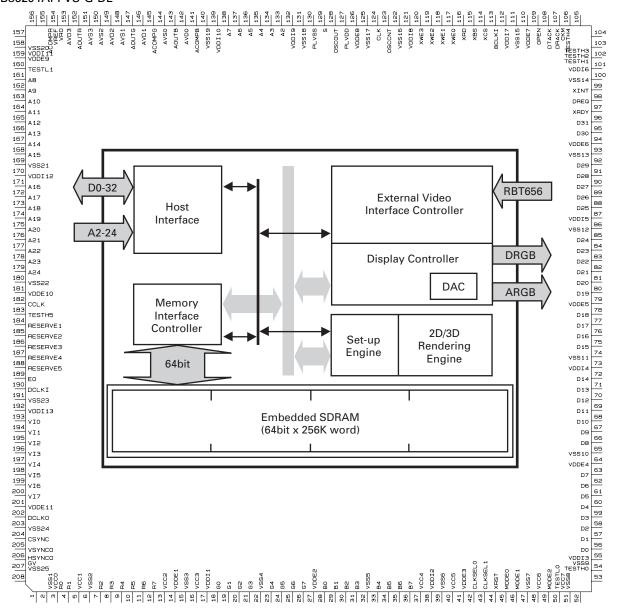
A15	1		48	A16
A14	2	$\cup$	47	BYTE
A13	3	4	46	VSS
A12	4	4:		DQ15/A-1
A11	5		44	DQ7
A10	6		43	DQ14
A9	7		42	DQ6
A8	8	D00 D045 D	41	DQ13
NC	9	DQ0-DQ15 :Data input/output A0-A18,A-1 :Address input	40	DQ5
NC	10	RY/BY:Ready/busy output	39	DQ12
WE	11	BYTE:8bit,16bit mode select	38	DQ4
RESET	12	OE :Output enable	37	VCC
NC	13	CE :Chip enable RESET :Reset 3:	36	DQ11
NC	14		35	DQ3
RY/BY	15		34	DQ10
A18	16		33	DQ2
A17	17		32	DQ9
A7	18		31	DQ1
A6	19		30	DQ8
A5	20		29	DQ0
A4	21		28	ŌĒ
А3	22		27	VSS
A2	23		26	CE
A1	24		25	A0

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#### \* MB86291APFVS-G-DL

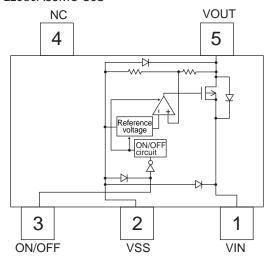
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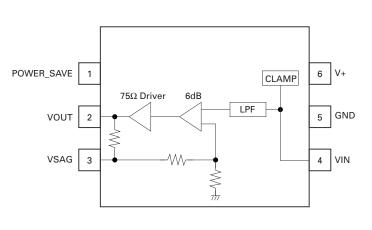
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#### \* S-L2980A33MC-C6S

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#### NJM2561F1



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\* PD6336B Pin Arrangement Chart CD\_DATA PIO 16 PIO 12 P106 PI04 CD\_BLK ADC\_GCNT0 ADC\_GCNT1 PC\_XREG PC A0 TEST2 P1017 P1015 PI013 P105 A10 P107 A8 CD\_MCLK PC\_READY PC\_RESET PC\_WXT PC\_XCE2 PC BVD2 PC\_XCD2 PC\_XCE1 PC XVS1 PC\_XUBUF PC\_XWE OVSS2 PC\_WP A12 **A**3 Α7 Α9 A5 PC\_BVD1 PC\_XVS2 PC\_XCD1 PC\_XLBUF PC XOE VPDP VDD VDD D31 VDD VDD VSS VSS VDD A11 VSS VSS VSS CD\_LRCLK ATA\_DA2 ATA\_XCS1 PC\_XPWR DSP\_ATTCNT ATA\_DD11 UART\_XRI ATA\_DD15 UART1\_XDTR ATA\_DIR D30 VSS VDD DSP\_XRS TEST1 D29 D28 OVDD2 OVDD1 OVSS5 VDD D27 VDD XCS\_SRAMH ATA\_DD7 ATA\_DD8 ATA\_DD9 ATA\_DD12 ATA\_DD13 UART1\_XCTS UART\_XDSR PIO\_OUT D26 D25 DSP\_BCLKO D23 VSS D24 VSS DSP\_BFSO ATA\_DD6 ATA\_XRESET UART\_XDCD DSP\_BDO ATA\_DD10 0VSS1 D22 D21 CPU\_CLK 0VSS6 VDD D20 D19 VDD **TOP VEIW TOP VEIW** DSP\_XHINT DSP\_HRDY A23 D18 VDD D17 UART3\_RXD ATA\_DD2 UART1\_RXD ATA\_DD3 ATA\_DD4 UART2\_TXD UART2\_RXD UART1\_TXD ATA\_DD5 PI023 D16 D15 DSP\_BFSI D14 D13 VSS DSP\_BDI ATA\_DD0 XCS\_DSP ATA\_DD1 D12 D11 ATA\_IORDY ATA\_DMARQ XRESET ATA\_XDIOW OVDD3 D10 ΛDD D3 UART5\_RXD UART5\_TXD UART4\_TXD UART3\_TXD PI022 **0VSS7** D8 D7 UART4\_RXD ATA\_XDMACK P1024 VDD D6 D2 ATA\_INT UART6\_RXD OVSS0 XLUBEN VDD ΛDD VDD XCS5 VSS VSS INT VSS VSS D3 S NC ATA\_DA1 XLLBEN DREQ0 DREQ1 XBCYST XIORD XCS2 XCS3 INT3 INT2 INT0 SC D2 NC NC USBPWREN UART8\_TXD UART8\_RXD UART7\_TXD UART7\_RXD UART6\_TXD XCS FLASH XWR SRAM SRAM CSSEL XREADY GDC\_WT XIOWR PI027 XMRD PI030 XCS6 XTST SMCK XSM SC NC SC XCS\_SRAM UVD2M UVD1M UVD2P USB\_CLK TEST0 EXTAL0 UVD1P P1031 XTAL0 VSS IR\_RX MST AVIC-N1/UC 2 1

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Block Diagram Chart

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**ASIC** INT CPU I/F BLOCK A2-A11,A23 **AUDIO BLOCK** D0-D31 ASIC\_CLK CPU\_CLK **XRESET XBCYST XRESET** A7-A2 XCS2(SRAM) DMA CD-ROM BLOCK XCS3(ASIC) **TOP SECTION** XCS5(PCCARD) XCS6(DSP) XIOWR WExx **XIORD** XMWR PERI BLOCK **RExx** (SIO,PIO, XMRD CPU REMOTE CONTROL) XLLBEN **XLUBEN** DMAxx DMARQ0 ATAPI BLOCK DMA CHANNEL DMARQ1 WAIT SELECT SECTION DMARQ2 WTxx **XREADY** WAIT CONTROL SECTION PC-CARD BLOCK INTP0 **INTERRUPT** INTP1 INTxx CONTROL INTP2 SECTION INTP3 SOUND BLOCK SRAM\_CSSEL XCS\_SRAM **PROTECT** XCS\_SRAMH and XCS\_FLASH CHIP SELECT GENERATOR XCS\_DSP SECTION **USB BLOCK** XWR\_SRAM TIMER SECTION

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# ●Pin Functions(PD5937A)

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Pin No.	Pin Name	I/O	Function and Operation
PIN NO.	ARMSW	0	LED light output
2	NFANCNT	0	CC Unit Fan motor control output
3	AFANCNT	0	Power amplifier IC Fan motor control output
4	ILMPWR	0	Illumination ON output
5	REAON	0	Illumination ON output  Illumination color select output, when the rear monitor is ON (H : Green, L : Amber)
6	CNVSS	Ī	Connect to GND
7	DISC	i	Disc detect input
8	EJECT	l I	Disc eject input
9	RESET	<u> </u>	Reset input
	XOUT	Ö	Crystal oscillator connection pin
11	GND		GND
12	XIN	- 1	Crystal oscillator connection pin
	VDD		VDD
14	INT	- 1	Connect to VDD
15	BSENS	i	Backup sense input
	ASENS	i	ACC sense input
17	FDSEN	i	Grille detach sense input
	RST3	Ö	Navigation control reset output
19	AUPW	Ö	Audio power supply control output
	DRAMPW	Ö	Navigation control DRAMPW output
21	BEEP	Ö	BEEP output
22	RXN	Ī	Data input from Navigation (UART)
	TXIN	Ö	Data output to Navigation (UART)
	TSO	Ö	Data output to Hideaway Unit (UART)
	TSI	Ĭ	Data input from Hideaway Unit (UART)
	TSCK	i	Test program clock input
27	BUSY		Not used
	CCON	0	Navigation control CCON output
	XCCSTB	Ĭ	Stand-by OK of the CC Unit input
	CPUWDT	i	Watch dog timer input
	IRQPW	Ō	Navigation control IRQPW output
32	RSTOUT	Ō	Navigation control RSTOUT output
	MUTEPE		Not used
34	MUTNS	0	Mute output at the time of MIX
35	SELL	Ō	Navigation voice Lch MIX control output
36	SELR	0	Navigation voice Rch MIX control output
	VFSEL	0	Front monitor source select output (H : Hideaway Unit, L : MS3)
	VRSEL	0	Rear monitor source select output (H : Hideaway Unit, L : MS3)
39	VSEL3		Not used
40	DATA		Not used
41	CLK		Not used
42	CS		Not used
	AMPSTB	0	Amplifier stand-by output
44	ILMSEL	0	Illumination color select output (H : Amber, L : Green)
45	ILMDIM	0	Sub display DIM power supply control output
	DSENS	I	Detach sense input
	ILMSENS	- 1	Illumination sense input
	PBSENS	I	Parking brake sense input
	TELIN	I	TEL mute input
	ASENBO	0	ASENS output
51	MUTESO	0	Mute output
52	LIFTPUL	1	Lift pulse input
53	MTRS	0	Flap motor speed control output
54	MTRPW	0	Flap motor control power supply output
55	MTR1	0	Flap angle motor control signal output
	MTR1	0	Flap position motor control signal output
57	MTRSEL	0	Flap motor control output
58	ANGLE0SW		Flap angle 0 sense input
	LIFTSW	I	Lift sense input
60	SENSE5	0	Pulse power supply control output
61	ANTPW	Ō	Auto antenna power output
	WCONT	I	Wired remote control SEL input
63	TESTIN	I	Test mode input
64	TIMEOUT	I	Timeout input
65-67 68	SIMUKE0-2 51MUTE	0	Model select input0-2 5.1 ch mute output

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Pin No.	Pin Name	I/O	Function and Operation
69	NC		Not used
70	WREMIN	I	Wired remote control AD input
71	ATEMPI		Not used
72	ANGLE	I	Flap angle sense input
73	NTEMPI	I	CC Unit temperature input
74	NC		Not used
75	AVSS		A/D GND
76	NC		Not used
77	AVREF		A/D converter reference voltage
78	AVCC		A/D power supply
79	NC		Not used
80	MUTEGU	0	TELIN/GUIDE interrupt notice output

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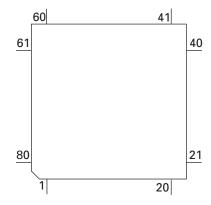
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# ●Pin Functions(PD3390A)

	D's Name			For the section and October
Pin No.	Pin Name	I/O	Format	Function and Operation
1	VCC0			Power supply (3.3V)
2	VSS0			GND
3	TXD2	I/O		SIO2 Transmission data input / output
4	RXD2	I/O		SIO2 Reception data input / output
5	TXD1	0	С	SIO1 Transmission data output
6	RXD1	I		SIO1 Reception data input
7	TXD0	0	С	SIO0 Transmission data output
8	RXD0	I		SIO0 Reception data input
9	SPEED	ı		SP I/F input
10	ADCSB	0	С	AD I/F output
11	ADSCK	Ō	Č	AD I/F output
12	ADTXD	Ö	Č	AD I/F output
13	ADRXD	ī		AD I/F input
14	ADSRX	i		AD I/F input
15	ADIO0	I/O		AD I/F input / output
	ADIO1			AD I/F input / output
16		I/O		
17	ADIO2	I/O		AD I/F input / output
	VCC1			Power supply (3.3V)
				GND
	PWM	0		PWM signal output
	PLINT	l		PLL I/F input
		0	С	PLL I/F output
23	PLSCK	0	С	PLL I/F output
24	PLTX	0	С	PLL I/F output
25	PLRX	ı		PLL I/F input
26	PLIO0	I/O		PLL I/F input / output
27	PLIO1	I/O		PLL I/F input / output
	PLIO2	I/O		PLL I/F input / output
29	DDINT	I		Darc I/F input
		Ö	С	Darc I/F output
31	DDSCK	Ö	Č	Darc I/F output
32	DDTX	Ö	Č	Darc I/F output
		ī		Darc I/F input
	DDIO0	I/O		Darc I/F input / output
35	DDIO1	I/O		Darc I/F input / output
36	DDIO1	I/O		Darc I/F input / output
		, -		
37	TIOA0	I/O		Parallel input / output
38	TIOA1	1/0		Parallel input / output
39	TIOB0	I/O		Parallel input / output
	TIOB1	I/O		Parallel input / output
41	VCC2			Power supply (3.3V)
	VSS2			GND
		I/O		Address bus input / output
	VCC3			Power supply (3.3V)
55	VSS3			GND
56-64	A8-0	I/O		Address bus input / output
	VCC4			Power supply (3.3V)
66	VSS4			GND
67-82	D0-15	I/O		Address bus input / output
83	VCC5			Power supply (3.3V)
84	VSS5			GND
85	WRHB	I/O		Upper data write strobe input / output
	WRLB	I/O		Lower data write strobe input / output
87	RDB	I/O		Read data strobe input / output
88	CS2B	I/O		Chip select aria 1 for external storage input / output
89	CS0B	I/O		Chip select aria 1 for external storage input / output  Chip select aria 0 for ROM input / output
90	VCC6	1/0		Power supply (3.3V)
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Pin No.	Pin Name	I/O	Format	Function and Operation
91	VSS6			GND
92	TEST2			Test mode
93		<u> </u>		CK output enable input
94	CK	0	С	CPU clock output
95	CS5B	0	С	DRAM low address strobe output
96	CS3B	0	С	DRAM column address strobe output
97	CS1B	0	С	DRAM column address upper byte strobe output
98				Power supply (3.3V)
99	SRAMB			Backup memory select input
100	STANBYB			Stand by signal input
	RTCVSS0			GND
102	XRTCIN			Sub crystal oscillator input (RTC)
103	XRTCOUT	0	С	Sub crystal oscillator output (RTC)
104				Power supply (3.3V)
105				Processor clock select input
106	PCKSEL1			Processor clock select input
107	CCKSEL			CRCK signal select input
	CCKDIR	I/O		Carrier clock direct input / inverter amp output
109	CCKVCC			Power supply (3.3V)
110	CRCK			Carrier clock input
111	CCKGND			GND
112-118		I/O		Parallel input / output
119	NMI			Connect to VCC
120	RESETB			System reset input
121	MSTRSTB			Test reset input
122				Test mode input
123	TEST1			Test mode input
124	REFSEL			GPS reference clock select input
125	REFCK			Reference clock input
				Power supply (3.3V)
127	VSS7			GND
128	XAUXIN	I		Sub crystal oscillator output input (AUX)
	XAUXOUT	0	С	Sub crystal oscillator output (AUX)
130-133	PIN0-3			Parallel input
134-137	PIO4-7	I/O		Parallel input / output
138	TXD3	I/O		SIO3 Transmission data input / output
139	RXD3	I/O		SIO3 Reception data input / output
140		0	С	Watch dog timer output
141	IFDIR	I/O		IF direct input / IF inverter amp output
142	IFVCC			Power supply (3.3V)
143	IF	I		IF input
144	IFGND	I		IF amp GND input
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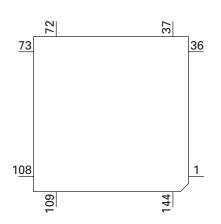
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Format	Meaning
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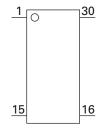
## ●Pin Functions(LC72720YVS : EW model)

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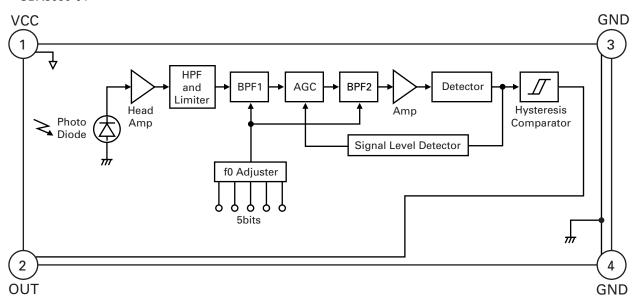
Pin No.	Pin Name	I/O	Function and Operation
1	VREF	0	Reference voltage output
2	MPXIN	I	Base band (multiplexed) signal input
3	Vdda		Analog system power supply (+5V)
4	NC		Not used
5	Vssa		Analog system GND
6	FLOUT	0	Sub carrier output (filter output)
7	CIN	I	Sub carrier input (comparator input)
8	NC		Not used
9	T1	I	Test input (connect to GND)
10	T2	I	Test input (stand-by control)
11	T3	0	RDS clock output
12	NC		Not used
13	T4	0	RDS data output
14	T5	0	Soft-decision control data output
15	XOUT	0	Crystal oscillator output
16	XIN	I	Crystal oscillator input
17	Vddd		Digital system power supply (+5V)
18	Vssd		Digital system GND
19	NC		Not used
20	T6	0	Error status,regenerated carrier and error block count outputs
21	T7	0	Error correction status, SK detection and error block count outputs
22	SYNC	0	Block synchronization detection output
23	NC		Not used
24	RDS-ID	0	RDS detection output
25	DO	0	Data output
26	CL	I	Clock input
27	NC		Not used
28	DI	I	Data input
29	CE	I	Chip enable input
30	SYR		Synchronization and RAM address reset input

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## \* LC72720YVS(EW model)



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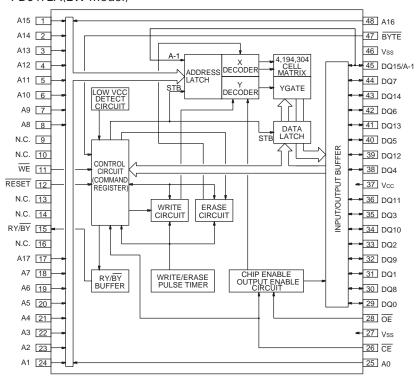
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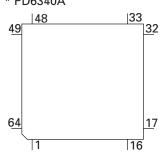
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## ● Pin Functions (PD6340A)

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Pin No.	Pin Name	I/O	Function and Operation		
1-5	SEG4-0	0	LCD segment output		
6-9	COM3-0	0	LCD common output		
10	VLCD		LCD drive power supply		
11-14	KST3-0	0	Key strobe output		
15,16	KDT0,1	I	Key data input (analogue input)		
17	REM	I	Remote control reception input		
18	DPDT	I	Display data input		
19	NC		Not used		
20	KYDT	0	Key data output		
21	MODA		GND		
22	XO		Crystal oscillator connection pin		
23	XI		Crystal oscillator connection pin		
24	VSS		GND		
25,26	KDT2,3	I	Key data input		
27,28	KST5,4	0	Key strobe output		
29-55	SEG39-13	0	LCD segment output		
56	VDD		Power supply		
57-64	SEG12-5	0	LCD segment output		

## \* PD6340A



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# ●Pin Functions(PE5413A)

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Pin No.   Pin Name   VO   Function and Operation   1 PNLADX   1 X directions analog input   2 LSEN   1 Lens sense input   3 PNLADY   1 Y directions analog input   4 AVSS   A/D converter GND   5 DIMMER   O Dimmer anarog output   0 Dimer anarog output   0 Dimer anarog output   0 Dimer anarog output   0 Dimmer anarog output   0 Dimer anarog output   0 Dimer anarog outpu		nctions(PE	.0 + 10/	,
2 LSEN   Lens sense input   3 PNLADY   Y directions analog input   4 AVSS   A/D converter GND   5 DIMMER   O Dimmer anarog output   1 Y directions is detected   North Str.   1 Y directions   1	Pin No.		I/O	Function and Operation
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54 LBKL O LCD micro computer back light power supply control output 55,56 NC Not used  57 LCDTYPE1 I LCD panel type detect input1  58 NC Not used  59 LCDTYPE2 I LCD panel type detect input2  60 RESET I Reset input  61 REMIN I Remote control data input  62 VDDSENS I Power supply sense input  63 ROTO I Rotary encoder input0  64 ROT1 I Rotary encoder input1				
55,56 NC Not used  57 LCDTYPE1 I LCD panel type detect input1  58 NC Not used  59 LCDTYPE2 I LCD panel type detect input2  60 RESET I Reset input  61 REMIN I Remote control data input  62 VDDSENS I Power supply sense input  63 ROTO I Rotary encoder input0  64 ROT1 I Rotary encoder input1				
57 LCDTYPE1 I LCD panel type detect input1 58 NC Not used 59 LCDTYPE2 I LCD panel type detect input2 60 RESET I Reset input 61 REMIN I Remote control data input 62 VDDSENS I Power supply sense input 63 ROTO I Rotary encoder input0 64 ROT1 I Rotary encoder input1			0	
58 NC Not used 59 LCDTYPE2 I LCD panel type detect input2 60 RESET I Reset input 61 REMIN I Remote control data input 62 VDDSENS I Power supply sense input 63 ROTO I Rotary encoder input0 64 ROT1 I Rotary encoder input1				
59 LCDTYPE2 I LCD panel type detect input2 60 RESET I Reset input 61 REMIN I Remote control data input 62 VDDSENS I Power supply sense input 63 ROTO I Rotary encoder input0 64 ROT1 I Rotary encoder input1			I	
60 RESET I Reset input 61 REMIN I Remote control data input 62 VDDSENS I Power supply sense input 63 ROTO I Rotary encoder input0 64 ROT1 I Rotary encoder input1				
61 REMIN I Remote control data input 62 VDDSENS I Power supply sense input 63 ROTO I Rotary encoder input0 64 ROT1 I Rotary encoder input1			ı	
61 REMIN I Remote control data input 62 VDDSENS I Power supply sense input 63 ROTO I Rotary encoder input0 64 ROT1 I Rotary encoder input1			I	
62 VDDSENS I Power supply sense input 63 ROT0 I Rotary encoder input0 64 ROT1 I Rotary encoder input1			ı	
63 ROT0 I Rotary encoder input0 64 ROT1 I Rotary encoder input1			i	
64 ROT1 I Rotary encoder input1			i	
			1	
I DO LICOLK I INOTUSEO				
66 TVIND Not used				
67 VSS0 GND				
68 VDD1 Power supply	68	VDD1		
69 X2 Crystal oscillator connection pin				
70 X1 Crystal oscillator connection pin				
71 VPP Not used				
72 XT2 Not used				
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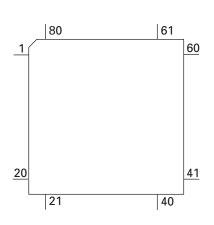
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Pin No.	Pin Name	I/O	Function and Operation
73	XT2		GND
74	VDD0		Power supply
75	AVDD		A/D converter power supply
76	KEY0		Analog key data input 0
77	KEY1	I	Analog key data input 1
78	KEY2		Analog key data input 2
79	NC		Not used
80	TEMPSEN	I	Temperature sense input (back light boost)

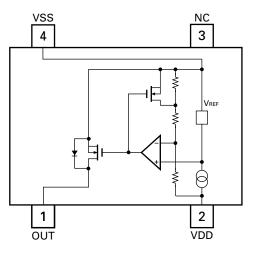
## \* PE5413A

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## \* S-80835CNNB-B8U

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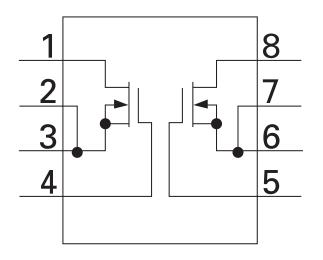
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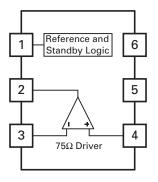
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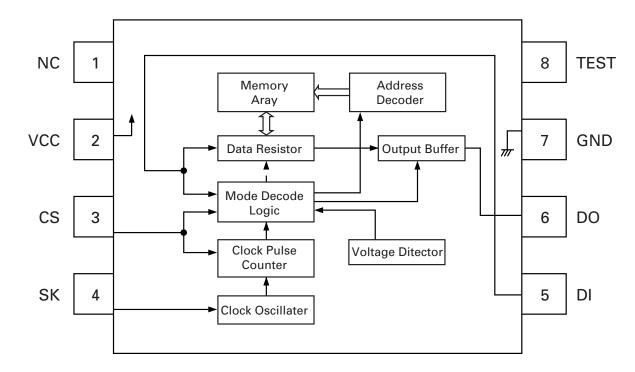
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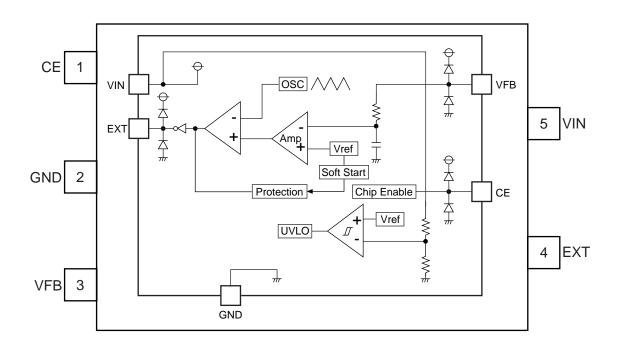
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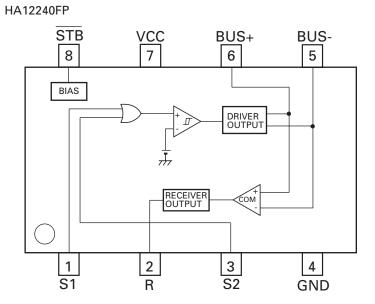


\* R1224N102H



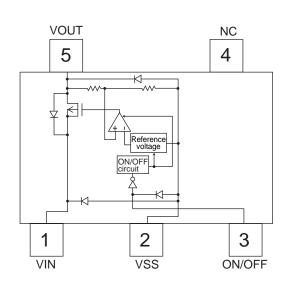
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\* S-L2980A50MC-C7J



\* S-812C33AMC-C2N

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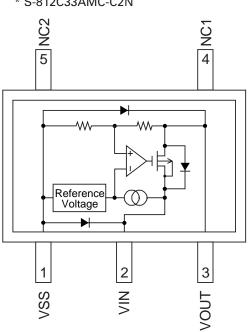
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# ●Pin Functions(PE5412A : UC model)(PE5411A : EW model)

Pin No.   Pin Name   Vo.   Function and Operation				
1 HTOP	Pin No.	Pin Name	I/O	Function and Operation
2			_	
3-5 NC				
6 MTOH				
6 MTOH	3-5	NC		Not used
R			ı	
B   TSCK				
9   EVDD			U	
9   EVDD	8	TSCK		Not used
10    EVSS				
11   MUTEAMP   O   Mute output (AMP)     12   ACCPW   Not used     13   SWACPW   O   Monitor microcomputer power supply output     14   HACCPW   O   Hide away power supply ON/OFF output     15-17   NC   Not used     18   SWBUPSW   Not used     19   SWDDSW   Not used     20   HFANON   Not used     21   VPP   VSS     22   VCK   O   E-VOL : Clock output     23   VDT   O   E-VOL : Data output     24   VST   O   E-VOL : Strobe pulse output     25   MUTEVOL   O   E-VOL : Mute output     26   RX   I   IP-BUS : Data input     27   TX   O   IP-BUS : Data input     28   IPPW   O   IP-BUS : Data output     29   ASENBO   O   IP-BUS : Slave ACC sense output     20   ASENBO   O   IP-BUS : Slave ACC sense output     30   NC   ANOT used     31   ROMOATA   Not used     32   ROMICLK   Not used     33   ROMCS   Not used     34   RESET   Reset input     36   XT1   Open     37   REGC   Memory connection for the regulator stabilization     38   X2   Crystal oscillator connection pin     40   VSS   GND     41   VDD   Power supply     42   PCL   Clock output     43   NC   SESTI   Signal sense input     44   REVSENS   I   Reverse signal sense input     45,46   STESTI   Signal input     46,66   STESTI   Signal input     47,48   SIMUKE1,2   Not used     48   REVSENS   I   Reverse signal sense input     49   TESTIN   I   Test mode input     50   NC   Not used     61   RDSHSLK   RDS : High speed signal input (EW model)     62   RDSLK   I   RDS : Data input (EW model)     63   RDT   I   RDS : Data input (EW model)     64   NC   Not used     65   RD   MILTER   O   Rear voice mute output     66   HMUTEA   O   Rear voice mute output     67   NC   Not used     68   HMUTEA   O   Rear voice mute output     69   HMUTEA   O   Rear voice mute output     60   ROS   NOT used     61   RDSHSLK   RDS : Signal input (EW model)     62   RDSLK   I   RDS : Data input (EW model)     63   ROT   NOT used     64   NC   Not used     65   ROS   NOT used     70   NC   Not used     71   SCL   VO   IL-BUS : Data input/output     72   SDA   VO   USED     73   AVSENU				
12   ACCPW	10			
12   ACCPW	11	MUTFAMP	0	Mute output (AMP)
13   SWACFW   O   Monitor microcomputer power supply output	_			
14 HACCPW   O			_	
14 HACCPW   O	13	SWACPW	0	Monitor microcomputer power supply output
15-17 NC	14	HACCPW	0	Hide away power supply ON/OFF output
18   SWBUPSW   Not used   19   SWVDDSW   Not used   20   HFANON   Not used   21   VPP   VSS   22   VCK   O E-VOL: Clock output   23   VDT   O E-VOL: Data output   24   VST   O E-VOL: Strobe pulse output   25   MUTEVOL   O E-VOL: Strobe pulse output   26   RX   I   IP-BUS: Data input   27   TX   O IP-BUS: Data input   28   IPPW   O IP-BUS: Data output   29   ASENBO   O IP-BUS: Driver power supply control output   29   ASENBO   O IP-BUS: Slave ACC sense output   30   NC   Not used   Not used   31   ROMDATA   Not used   Not used   32   ROMCLK   Not used   Not used   33   ROMCS   Not used   Not used   34   RESET   I Reset input   Reset input   35   XT2   Open   36   XT1   Pull up   37   REGC   Memory connection for the regulator stabilization   38   X2   Crystal oscillator connection pin   39   X1   Crystal oscillator connection pin   41   VDD   Power supply   42   PCL   Clock output   43   NC   Not used   44   REVSENS   Reverse signal sense input   44   REVSENS   Reverse signal sense input   45,46   STEST1,2   I Single operation mode input1,2   47,48   SIMUKE1,2   Not used   49   TESTIN   I Test mode input   54,56   STEST1,2   I Single operation mode input1,2   47,48   SIMUKE1,2   Not used   51,52   VSELIN1,2   VSEL input1,2   53   AVONIN   AV-BUS: AV ON input   64   ROSHIKK   RDS: Signal input (EW model)   65   RDSHIKK   RDS: Signal input (EW model)   66   RECIVE   Not used   67   Not used   68   HMUTEV   O Rear picture driver stand-by output   70   NC   Not used   68   HMUTEV   O Rear picture driver stand-by output   70   NC   Not used   71   SCL   I O ILC-BUS: Data input/output   72   SDA   I/O IlC-BUS: Data input/output   73   AVSELMUE   Not used   74   AVSELMUE   Not used   75   AVSS   VSS   NOSS   VSS   NOSS				
19   SWVDDSW				
20	18	SWBUPSW		Not used
20	19	SWVDDSW		Not used
21				
22				
22	21	VPP		VSS
23	22		Ω	F-VOL: Clock output
24				
25 MUTEVOL   O   E-VOL : Mute output				
25 MUTEVOL   O   E-VOL : Mute output	24	VST	0	E-VOL: Strobe pulse output
26	_		_	
27				L- VOL . IVIUIE OUIPUI
28 IPPW         O         IP-BUS: Slave ACC sense output           30 NC         Not used           31 ROMDATA         Not used           32 ROMCLK         Not used           33 ROMCS         Not used           34 RESET         I Reset input           35 XT2         Open           36 XT1         Pull up           37 REGC         Memory connection for the regulator stabilization           38 X2         Crystal oscillator connection pin           40 VSS         GND           41 VDD         Power supply           42 PCL         Clock output           43 NC         Not used           44 REVSENS         I Reverse signal sense input           45 A6 STEST1.2         I Single operation mode input1,2           47,48 SIMUKE1,2         Not used           49 TESTIN         Test mode input           50 NC         Not used           51,52 VSELIN1,2         I VSEL input1,2           58 BVDD         Power supply           59 BVSS         GND           60 RECIVE         Not used           61 RDSLK         I RDS: High speed signal input (EW model)           62 RDSLK         I RDS: Signal input (EW model)           63 RDT         I			-	IP-BO2 : Data input
28 IPPW         O         IP-BUS: Slave ACC sense output           30 NC         Not used           31 ROMDATA         Not used           32 ROMCLK         Not used           33 ROMCS         Not used           34 RESET         I Reset input           35 XT2         Open           36 XT1         Pull up           37 REGC         Memory connection for the regulator stabilization           38 X2         Crystal oscillator connection pin           40 VSS         GND           41 VDD         Power supply           42 PCL         Clock output           43 NC         Not used           44 REVSENS         I Reverse signal sense input           45 A6 STEST1.2         I Single operation mode input1,2           47,48 SIMUKE1,2         Not used           49 TESTIN         Test mode input           50 NC         Not used           51,52 VSELIN1,2         I VSEL input1,2           58 BVDD         Power supply           59 BVSS         GND           60 RECIVE         Not used           61 RDSLK         I RDS: High speed signal input (EW model)           62 RDSLK         I RDS: Signal input (EW model)           63 RDT         I	27	TX	0	IP-BUS : Data output
29				
30 NC				ור-סס . ביסטו איזייט פיסטו זייט איזייט א
30 NC	29	ASENBO	0	IP-BUS : Slave ACC sense output
31 ROMDATA	30	NC		Not used
32   ROMCLK   Not used   33   ROMCS   Not used   34   RESET   I   Reset input   35   XT2   Open   36   XT1   Pull up   37   REGC   Memory connection for the regulator stabilization   38   X2   Crystal oscillator connection pin   39   X1   Crystal oscillator connection pin   40   VSS   GND   GND   GND   GND   GND   41   VDD   Power supply   42   PCL   Clock output   43   NC   Not used   44   REVSENS   I   Reverse signal sense input   45,46   STEST1,2   I   Single operation mode input1,2   47,48   SIMUKE1,2   Not used   49   TESTIN   I   Test mode input   50   NC   Not used   51,52   VSELIN1,2   I   VSEL input1,2   53   AVONIN   I   AV-BUS : AV ON input   54-57   NC   Not used   54-57   NC   Not used   61   RDSHSLK   I   RDS : High speed signal input (EW model)   62   RDSLK   I   RDS : High speed signal input (EW model)   64   NC   Not used   65,66   TUNCE1,2   O   PLL chip enable output1,2   NOt used   68   HMUTEA   O   Rear voice mute output   69   HMUTEA   O   Rear voice mute output   71   SCL   I/O   IIC-BUS : Data input/output   71   SCL   I/O   IIC-BUS : Data input/output   72   SDA   I/O   IIC-BUS : Data input/output   74   AVDD   75   AVSS   VSS   76   AVREF   Not used   N				
33   ROMCS   Not used   34   RESET   1   Reset input   35   XT2   Open   36   XT1   Pull up   37   REGC   Memory connection for the regulator stabilization   38   X2   Crystal oscillator connection pin   39   X1   Crystal oscillator connection pin   40   VSS   GND   GND   41   VDD   Power supply   42   PCL   Clock output   43   NC   Not used   44   REVSENS   1   Reverse signal sense input   45,46   STEST1,2   1   Single operation mode input1,2   A7,48   SIMUKE1,2   Not used   49   TESTIN   1   Test mode input   49   TESTIN   1   Test mode input   50   NC   Not used   51,52   VSELIN1,2   1   VSEL input1,2   S4-57   NC   Not used   S4-57   NC   Not used   S6   BVDD   Power supply   59   BVSS   GND   GND   S6   RECIVE   Not used   61   RDSHSLK   1   RDS : High speed signal input (EW model)   62   RDSLK   1   RDS : Data input (EW model)   63   RDT   1   RDS : Data input (EW model)   64   NC   Not used   65,66   TUNCE1,2   O   PLL chip enable output1,2   70   NC   Not used   68   HMUTEA   O   Rear voice mute output   70   NC   Not used   71   SCL   I/O   IIC-BUS : Data input/output   71   SCL   I/O   IIC-BUS : Data input/output   71   SCL   I/O   IIC-BUS : Data input/output   71   AVDD   VDD   75   AVSS   VSS   76   AVREF   Not used   No				
33   ROMCS   Not used   34   RESET   1   Reset input   35   XT2   Open   36   XT1   Pull up   37   REGC   Memory connection for the regulator stabilization   38   X2   Crystal oscillator connection pin   39   X1   Crystal oscillator connection pin   40   VSS   GND   GND   41   VDD   Power supply   42   PCL   Clock output   43   NC   Not used   44   REVSENS   1   Reverse signal sense input   45,46   STEST1,2   1   Single operation mode input1,2   A7,48   SIMUKE1,2   Not used   49   TESTIN   1   Test mode input   49   TESTIN   1   Test mode input   50   NC   Not used   51,52   VSELIN1,2   1   VSEL input1,2   S4-57   NC   Not used   S4-57   NC   Not used   S6   BVDD   Power supply   59   BVSS   GND   GND   S6   RECIVE   Not used   61   RDSHSLK   1   RDS : High speed signal input (EW model)   62   RDSLK   1   RDS : Data input (EW model)   63   RDT   1   RDS : Data input (EW model)   64   NC   Not used   65,66   TUNCE1,2   O   PLL chip enable output1,2   70   NC   Not used   68   HMUTEA   O   Rear voice mute output   70   NC   Not used   71   SCL   I/O   IIC-BUS : Data input/output   71   SCL   I/O   IIC-BUS : Data input/output   71   SCL   I/O   IIC-BUS : Data input/output   71   AVDD   VDD   75   AVSS   VSS   76   AVREF   Not used   No	32	ROMCLK		Not used
Reset   I   Reset input				
35				
36	34		ı	
36	35	XT2		Open
37				
38				
39	37	REGC		Memory connection for the regulator stabilization
39	38	X2		Crystal oscillator connection pin
40    VSS				
41				
42   PCL	40			GND
42   PCL	41	VDD		Power supply
43         NC         Not used           44         REVSENS         I         Reverse signal sense input           45,46         STEST1,2         I         Single operation mode input1,2           47,48         SIMUKE1,2         Not used           49         TESTIN         I         Test mode input           50         NC         Not used           51,52         VSELIN1,2         I         VSEL input1,2           53         AVONIN         I         AV-BUS : AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I         RDS : High speed signal input (EW model)           62         RDSLK         I         RDS : Bata input (EW model)           63         RDT         I         RDS : Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O         Rear voice mute output				
44         REVSENS         I         Reverse signal sense input           45,46         STEST1,2         I         Single operation mode input1,2           47,48         SIMUKE1,2         Not used           49         TESTIN         I         Test mode input           50         NC         Not used           51,52         VSELIN1,2         I         VSEL input1,2           53         AVONIN         I         AV-BUS : AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I         RDS : High speed signal input (EW model)           62         RDSLK         I         RDS : Signal input (EW model)           63         RDT         I         RDS : Data input (EW model)           63         RDT         I         RDS : Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEV         O         <				
45,46         STEST1,2         I         Single operation mode input1,2           47,48         SIMUKE1,2         Not used           49         TESTIN         I         Test mode input           50         NC         Not used           51,52         VSELIN1,2         I         VSEL input1,2           53         AVONIN         I         AV-BUS: AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I         RDS: High speed signal input (EW model)           62         RDSLK         I         RDS: Signal input (EW model)           63         RDT         I         RDS: Data input (EW model)           63         RDT         I         RDS: Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O         Rear voice mute output           69         HMUTEV         O         Rear pi	43	NC		Not used
45,46         STEST1,2         I         Single operation mode input1,2           47,48         SIMUKE1,2         Not used           49         TESTIN         I         Test mode input           50         NC         Not used           51,52         VSELIN1,2         I         VSEL input1,2           53         AVONIN         I         AV-BUS: AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I         RDS: High speed signal input (EW model)           62         RDSLK         I         RDS: Signal input (EW model)           63         RDT         I         RDS: Data input (EW model)           63         RDT         I         RDS: Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O         Rear voice mute output           69         HMUTEV         O         Rear pi			ı	Reverse signal sense input
47,48         SIMUKE1,2         Not used           49         TESTIN         I Test mode input           50         NC         Not used           51,52         VSELIN1,2         I VSEL input1,2           53         AVONIN         I AV-BUS: AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I RDS: High speed signal input (EW model)           62         RDSLK         I RDS: Signal input (EW model)           63         RDT         I RDS: Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O Rear voice mute output           69         HMUTEV         O Rear picture driver stand-by output           70         NC         Not used           71         SCL         I/O IIC-BUS: Clock input/output           72         SDA         I/O IIC-BUS: Data input/output           75         AVSS         VS				
49         TESTIN         I         Test mode input           50         NC         Not used           51,52         VSELIN1,2         I         VSEL input1,2           53         AVONIN         I         AV-BUS: AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I         RDS: High speed signal input (EW model)           62         RDSLK         I         RDS: Signal input (EW model)           63         RDT         I         RDS: Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O         Rear voice mute output           69         HMUTEV         O         Rear picture driver stand-by output           70         NC         Not used           71         SCL         I/O         IIC-BUS: Clock input/output           72         SDA         I/O         IIC-BUS: Data i			l	
49         TESTIN         I         Test mode input           50         NC         Not used           51,52         VSELIN1,2         I         VSEL input1,2           53         AVONIN         I         AV-BUS: AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I         RDS: High speed signal input (EW model)           62         RDSLK         I         RDS: Signal input (EW model)           63         RDT         I         RDS: Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O         Rear voice mute output           69         HMUTEV         O         Rear picture driver stand-by output           70         NC         Not used           71         SCL         I/O         IIC-BUS: Clock input/output           72         SDA         I/O         IIC-BUS: Data i	47,48	SIMUKE1,2		Not used
Solution	TESTINI	ı		
51,52         VSELIN1,2         I         VSEL input1,2           53         AVONIN         I         AV-BUS : AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I         RDS : High speed signal input (EW model)           62         RDSLK         I         RDS : Signal input (EW model)           63         RDT         I         RDS : Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O         Rear voice mute output           69         HMUTEV         O         Rear picture driver stand-by output           70         NC         Not used           71         SCL         I/O         IIC-BUS : Clock input/output           72         SDA         I/O         IIC-BUS : Data input/output           73         AVSELMUTE         Not used           74         AVDD         VDD				
53         AVONIN         I         AV-BUS : AV ON input           54-57         NC         Not used           58         BVDD         Power supply           59         BVSS         GND           60         RECIVE         Not used           61         RDSHSLK         I         RDS : High speed signal input (EW model)           62         RDSLK         I         RDS : Signal input (EW model)           63         RDT         I         RDS : Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O         Rear voice mute output           69         HMUTEV         O         Rear picture driver stand-by output           70         NC         Not used           71         SCL         I/O         IIC-BUS : Clock input/output           73         AVSELMUTE         Not used           74         AVDD         VDD           75         AVSS         VSS           76         AVREF         Not used				
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60         RECIVE         Not used           61         RDSHSLK         I         RDS : High speed signal input (EW model)           62         RDSLK         I         RDS : Signal input (EW model)           63         RDT         I         RDS : Data input (EW model)           64         NC         Not used           65,66         TUNCE1,2         O         PLL chip enable output1,2           67         NC         Not used           68         HMUTEA         O         Rear voice mute output           69         HMUTEV         O         Rear picture driver stand-by output           70         NC         Not used           71         SCL         I/O         IIC-BUS : Clock input/output           72         SDA         I/O         IIC-BUS : Data input/output           73         AVSELMUTE         Not used           74         AVDD         VDD           75         AVSS         VSS           76         AVREF         Not used		B//SS		CND
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74         AVDD         VDD           75         AVSS         VSS           76         AVREF         Not used	73	AVSFI MI ITF		
75 AVSS VSS 76 AVREF Not used				
76 AVREF Not used				
76 AVREF Not used	75			VSS
//   I UINSL   I   FIVI/AIVI tuner : Signal level analog input			- 1	
		LUNSL	I	Fivi/Aivi tuner : Signai ievei anaiog input

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Pin No.	Pin Name	I/O	Function and Operation		
78	TEMP	1,0	Not used		
79-89	NC		Not used		
90	BSENS		Backup sense input		
91	ASENS		ACC sense input		
92	TUNLDET	I	Tuner: PLL lock detect input (EW model)		
93	RDSCK		RDS : Data clock input (EW model)		
94-96	NC		Not used		
97	TUNPDI	I	FM/AM tuner : PLL data input		
98	TUNPDO	0	FM/AM tuner : PLL data output		
99	TUNCK	0	PLL clock output		
100	PTOH	I	UART input from power supply microcomputer		

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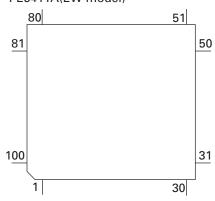
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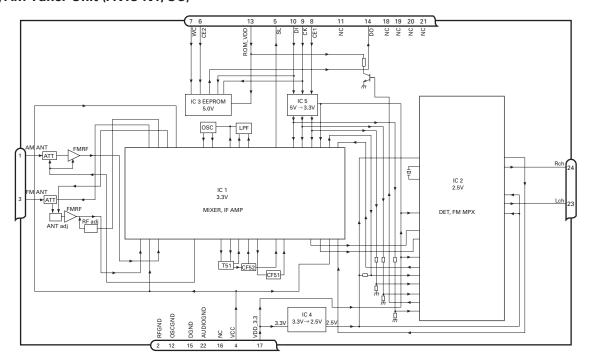
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<sup>\*</sup> PE5412A(UC model) \* PE5411A(EW model)



No.	Symbol	I/O	Pr			
1	AMANT	- 1	AM antenna input	AM antenna input high impedance AMANT pin is connected with		
				an all antenna by way of 4.7μH. (LAU type inductor) A series circuit		
				including an inductor and a resistor is connected with RF ground for		
				the countermeasure against the hum of power transmission line.		
2	RFGND		RF ground	Ground of antenna block		
3	FMANT	- 1	FM antenna input	Input of FM antenna 75 $\Omega$ Surge absorber(DSP-201M-S00B) is necessary.		
4	VCC		power supply	The power supply for analog block. D.C 8.4V $\pm$ 0.3V		
5	SL	0	signal level	Output of FM/AM signals level		
6	CE2	П	chip enable-2	Chip enable for EEPROM "Low" active		
7	WC	ı	write control	You can write EEPROM, when EEPROM write control is "Low".		
				Ordinary non connection		
8	CE1	П	chip enable-1	Chip enable for AF•RF "High" active		
9	CK	ı	clock	Clock		
10	DI	Π	data in	Data input		
11	NC		non connection	Not used		
12	OSCGND		osc ground	Ground of oscillator block		
13	ROM_VDD		power supply	Power supply for EEPROM pin 13 is connected with a power supply of		
				micro computer.		
14	DO	0	data out	Data output		
15	DGND		digital ground	Ground of digital block		
16	NC		non connection	Not used		
17	VDD_3.3		power supply	The power supply for digital block. $3.3V \pm 0.2V$		
18	NC		non connection	Not used		
19	NC		non connection	Not used		
20	NC		non connection	Not used		
21	NC		non connection	Not used		
22	AUDIOGND		audio ground	Ground of audio block		
23	L ch	0	L channel output	FM stereo "L-ch" signal output or AM audio output		
24	R ch	0	R channel output	FM stereo "R-ch" signal output or AM audio output		

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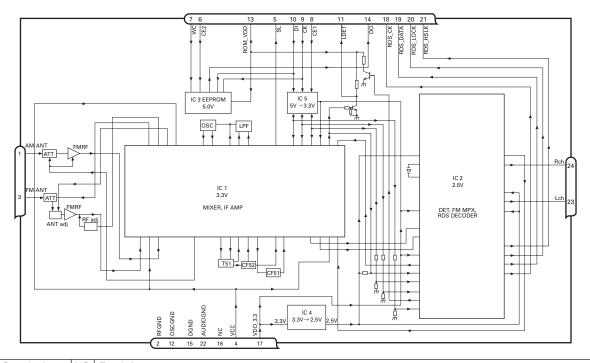
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AVIC-N1/UC

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# ● FM/AM Tuner Unit (AVIC-X1/EW)

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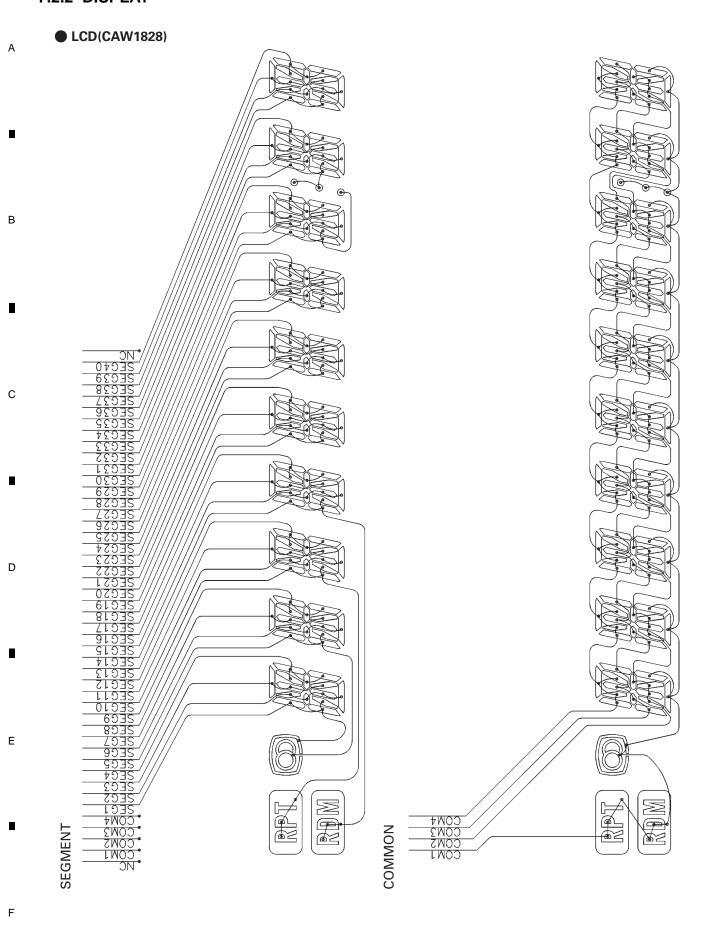
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No.	Symbol	I/O	Explain			
1	AMANT	- 1	AM antenna input	AM antenna input high impedance AMANT pin is connected with		
				an all antenna by way of 4.7μH. (LAU type inductor) A series circuit		
				including an inductor and a resistor is connected with RF ground for		
				the countermeasure against the hum of power transmission line.		
2	RFGND		RF ground	Ground of antenna block		
3	FMANT	Ι	FM antenna input	Input of FM antenna 75 $\Omega$ Surge absorber(DSP-201M-S00B) is necessary.		
4	VCC		power supply	The power supply for analog block. D.C 8.4V $\pm$ 0.3V		
5	SL	0	signal level	Output of FM/AM signals level		
6	CE2	- 1	chip enable-2	Chip enable for EEPROM "Low" active		
7	WC	- 1	write control	You can write EEPROM, when EEPROM write control is "Low".		
				Ordinary non connection		
8	CE1	-	chip enable-1	Chip enable for AF•RF "High" active		
9	CK	-	clock	Clock		
10	DI	-	data in	Data input		
11	LDET	0	lock detector	"Low" active		
12	OSCGND		osc ground	Ground of oscillator block		
13	ROM_VDD		power supply	Power supply for EEPROM pin 13 is connected with a power supply of		
				micro computer.		
14	DO	0	data out	Data output		
15	DGND		digital ground	Ground of digital block		
16	NC		non connection	Not used		
17	VDD_3.3		power supply	The power supply for digital block. $3.3V \pm 0.2V$		
18	RDS_CK	0	RDS clock	Output of RDS clock(2.5V)		
19	RDS_DATA	0	RDS data	Output of RDS data(2.5V)		
20	RDS_LOCK	0	RDS lock	Output unit "High" active(2.5V) (RDS_LOCK turns over by the		
				external transistor. "Low" active)		
21	RDS_HSLK	0	RDS high speed	Output unit "High" active(2.5V)(RDS_HSLK turns over by the		
			lock	external transistor. "Low" active)		
22	AUDIOGND		audio ground	Ground of audio block		
23	L ch	0	L channel output	FM stereo "L-ch" signal output or AM audio output		
24	R ch	0	R channel output	FM stereo "R-ch" signal output or AM audio output		

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# 7.3 EXPLANATION

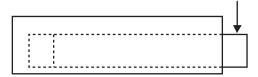
## 7.3.1 MECHANISM DESCRIPTIONS

#### Outline of the FLAP motion

- 1. The motion is actuated made by two motors, the forward/backward driving motor (CXB9515) and the angle driving motor (CXB9516).
- 2. Analog electric potential generated by the angle encoder is detected to detect angle motion status and motion position.
- 3. Memory function for the angle last position is accomplished by the micro processor using the 256 resolution steps of the VDD.
- 4. A pulse is detected by the photo interrupter to detect the horizontal motion status.
- 5. In the case of reset start, the monitor will be in a stored position first, and ejection motion will take place, which puts the system in the booted up state.
- 6. Angle adjustment is made by the angle key (+/-).
- 7. OPEN/CLOSE key makes the monitor stored or ejected, and temporary folding key folds the monitor temporarily.
- 8. Setting of the monitor auto storage/ejection ON/OFF and set back ON/OFF at the time of ACC ON/OFF is made on the navigation menu screen.
- 9. A backlight is switched-off during forward/backward and storage.

#### Explanation on the FLAP ejection motion

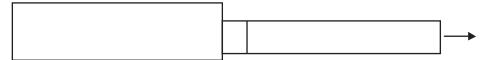
1. When the OPEN key is pressed or ACC is set to ON while the auto OPEN/CLOSE is being set to ON, angle driving motor rotates in the 0° direction for 500ms. (Pressed down.)



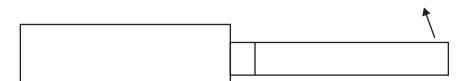
2. After 500ms, the angle driving motor is stopped, and the forward/backward driving motor rotates in the ejection direction.



3. For a period of 600ms from the time when LIFTSW is switched from H to L, the forward/backward driving motor keeps rotating in the ejection direction.



4. After 600ms, the forward/backward driving motor is stopped, and the angle driving motor rotates in the UP direction.



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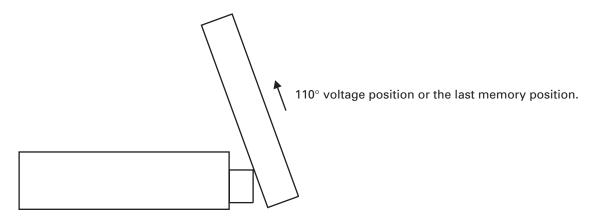
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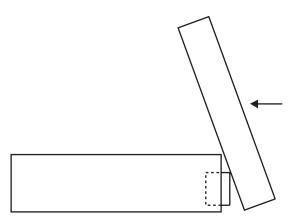
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6. When the setback is set to ON, after the monitor angle voltage has reached the previously memorized voltage, brake is applied to the angle driving motor, then the forward/backward driving motor is rotated in slow speed in the storage direction. After that, when LIFTSW has switched from L to H, the forward/backward driving motor is stopped.



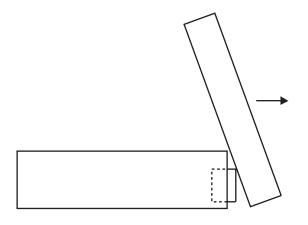
# Explanation of the FLAP storage motion

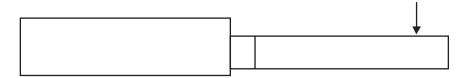
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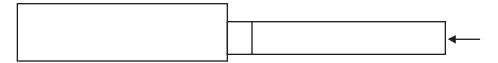
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1. When CLOSE key is pressed, or after 6 seconds from ACC OFF when auto OPEN/CLOSE is being set to ON, the angle driving motor is rotated in the 0° direction. In case the setback setting is ON, the forward/backward driving motor is rotated in high speed in the ejection direction and the motor continues to rotate for 600ms from the time when LIFTSW is switched from H to L, then the angle driving motor is rotated in the 0° direction.





3. After 500ms, brake is applied to the angle driving motor, and then the forward/backward driving motor is rotated in the storage direction.



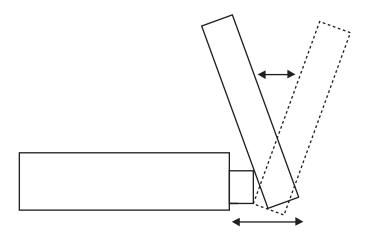
4. When the horizontal motion detection pulse is no longer detected for 200ms, brake is applied and the monitor storage motion is completed.



#### Explanation on the FLAP angle adjustment

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1. The angle driving motor is rotated in UP direction by the "+" key and in DOWN direction by the "-" key from the monitor stop position. If the key is kept pressed, the monitor will keep changing the angle without steps within the range of 50 to 110 degrees. When the setback is being set to ON, the forward/backward driving motor is rotated in the horizontal ejection direction while the key is being pressed, and angle adjustment is made by changing the angle voltage to the extent the angle adjustment key is effective after 600ms has elapsed from the time when LIFTSW has switched from H to L. When 3 seconds have elapsed from the time of angle adjustment completion, the forward/backward driving motor is rotated in slow speed in the horizontal storage direction, and brake is applied when LIFTSW has switched from L to H.



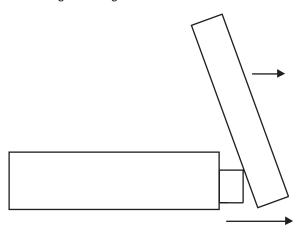
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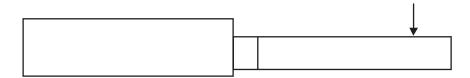
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# ■ Explanation on the FLAP temporary folding operation

1. By pressing the temporary folding key, the angle driving motor is rotated from the monitor stop position toward 0° direction. When the setback is being set to ON, the forward/backward driving motor is rotated when the key is pressed, brake is applied after 600ms has elapsed from the time when LIFTSW has switched from H to L, and the angle driving motor is rotated in 0° direction.



2. For a period of 500ms after DEGOSW has switched from H to L, the angle driving motor is rotated, and the monitor stops at its horizontal position by the brake. After 7 seconds, navigator operation sound is heard three times in 1 second interval. After 10 seconds, the angle driving motor is rotated in UP direction, and then the brake is applied to stop the motor at the last memory position. When the setback is being set to ON, after the angle driving motor stops at the last memory position, the forward/backward driving motor is rotated in slow speed in the horizontal storage direction, and the motor stops after LIFTSW has switched from L to H.



#### Notes related to the FLAP motion

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- 1. Regarding the angle position, angle voltage is always checked, and the last memory is stored by addition or subtraction of the voltage. It should be noted, however, that the last memory will not be stored when the monitor is manually moved by force.
- 2. If the expected pulse is not detected during horizontal motion, the monitor will stop at that position.

## ■ Table of driving unit operations by different preset modes

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		OPEN state	In OPEN motion	In CLOSE motion	CLOSE state
	Bup ON (Reset start)	CLOSE state  ↓ CLOSE			Continue OPEN motion  t  Last angle
		+			
		OPEN state			
		Last angle			
	Bup OFF	To stand-by	To stand-by	To stand-by	To stand-by
	Bup OFF→ON	No state change	Continue OPEN motion  ↓	Continue CLOSE motion	No state change
			Last angle ↓	CLOSE	
2			Return		
) D	ACC ON	No state change			OPEN motion
					↓ Last angle
S   S					↓ Return
Auto OPEN/CLOSE setting ON	ACC OFF YON	No state about	Continue ODEN metion	Continue Cl OCF metion	
2	ACC OFF→ON	No state change	Continue OPEN motion	Continue CLOSE motion	No state change
ב			Last angle	CLOSE	
2			Return		
ζ	ACC OFF	6 sec from ACC OFF	Continue OPEN motion	Continue CLOSE motion	No state change
		↓ Advance	Last angle	↓ CLOSE	
		↓ CLOSE motion	<b>↓</b> Return		
		↓ CLOSE	↓ 6 sec from ACC OFF		
		CEOOL	<b>+</b>		
			Advance <b>↓</b>		
			CLOSE motion ↓		
			CLOSE		
	Last memory	OPEN	OPEN	CLOSE	CLOSE
etting OFF	Bup ON (Reset start)				
	Bup OFF	To stand-by	To stand-by	To stand-by	To stand-by
	Bup OFF→ON	No state change	Continue OPEN motion	Continue CLOSE motion	No state change
			Last angle	CLOSE	
ט			<b>↓</b> Return		
9C JC		I			No state change
LOSE SE	ACC ON	No state change			ino state change
IN/CLOSE SE	ACC ON ACC OFF→ ON	No state change No state change	Continue OPEN motion	Continue CLOSE motion	No state change
			Continue OPEN motion  Use Last angle	Continue CLOSE motion  CLOSE	
			+	<b>+</b>	
Adio of En/CEOSE setting or		No state change	↓ Last angle ↓	<b>+</b>	No state change
Auto Or Envoceose se	ACC OFF→ ON		Last angle  Return  Continue OPEN motion	CLOSE  Continue CLOSE motion	
Auto Or Etylocode se	ACC OFF→ ON	No state change	Last angle  Return  Continue OPEN motion	CLOSE  Continue CLOSE motion	No state change

<sup>\*</sup> When the setback is being set to OFF, there will be no advance/return motion. After ACC OFF, if ACC is switched ON again during the 6 seconds counting, standby will be passed and the FLAP status will not change.

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■ Table of temporary folding control

		Temporary folding state (horizontal position)	Temporary folding reset (horizontal position→last angle)	Temporary folding in motion (last angle→horizontal position)
	Bup ON			
	Bup OFF	To stand-by	To stand-by	To stand-by
_	Bup OFF→ ON	Continue temporary folding motion	Continue OPEN motion  Last angle  Return	Continue temporary folding motion  Temporary folding
ō	ACC ON			
LOSE setting	ACC OFF→ ON	OPEN motion ↓ Last angle ↓ Return	Continue OPEN motion  Last angle  Return	Continue temporary folding motion  Temporary folding
Auto OPEN/CLOSE setting ON	ACC OFF	6 sec from ACC OFF  CLOSE motion  CLOSE	Continue OPEN motion  Last angle Return  6 sec from ACC OFF Advance CLOSE motion  CLOSE	Continue temporary folding motion  Temporary folding  6 sec from ACC OFF  CLOSE motion  CLOSE
	Last memory	OPEN	OPEN	OPEN
	Bup ON			
	Bup OFF	To stand-by	To stand-by	To stand-by
) OFF	Bup OFF→ ON	Continue temporary folding motion	Temporary folding reset	Temporary folding in motion
l û	ACC ON			
Auto OPEN/CLOSE setting OFF	ACC OFF→ ON	OPEN motion  ↓  Last angle  ↓  Return	Continue OPEN motion  Last angle  Return	OPEN motion  ↓  Last angle  ↓  Return
	ACC OFF	OPEN motion ↓ Last angle ↓ Return OPEN	Continue OPEN motion  Last angle  Return  OPEN	OPEN motion ↓ Last angle ↓ Return OPEN
	Last memory	Ur EIN	OF EIN	Or EIN

<sup>\*</sup> When the setback is being set to OFF, there will be no advance/return motion.

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■ Navigation Unit (1) (ACC ON)

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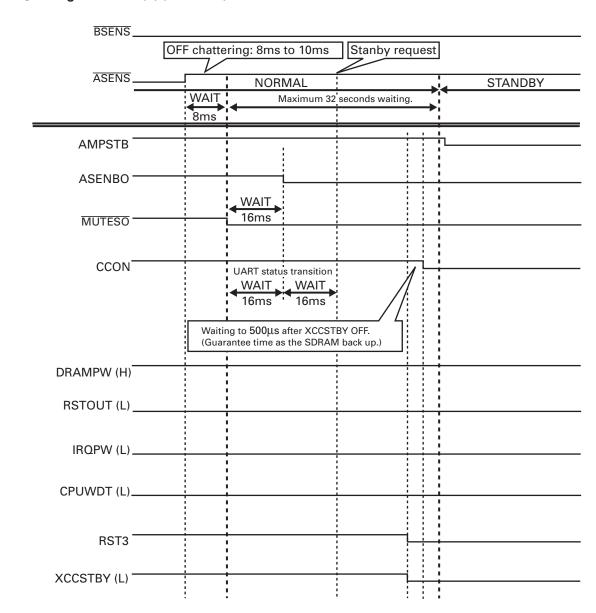
# ● Navigation Unit (2) (ACC OFF)

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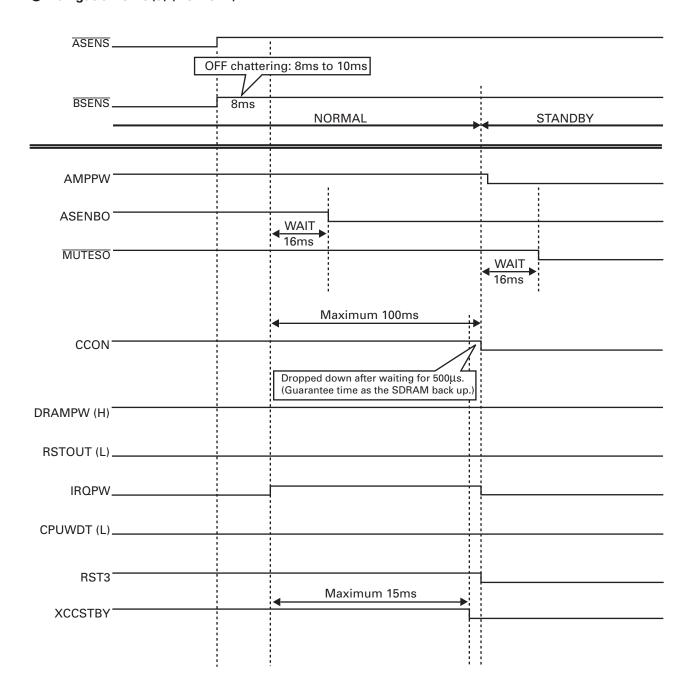
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#### ● Navigation Unit (3) (BUP OFF)

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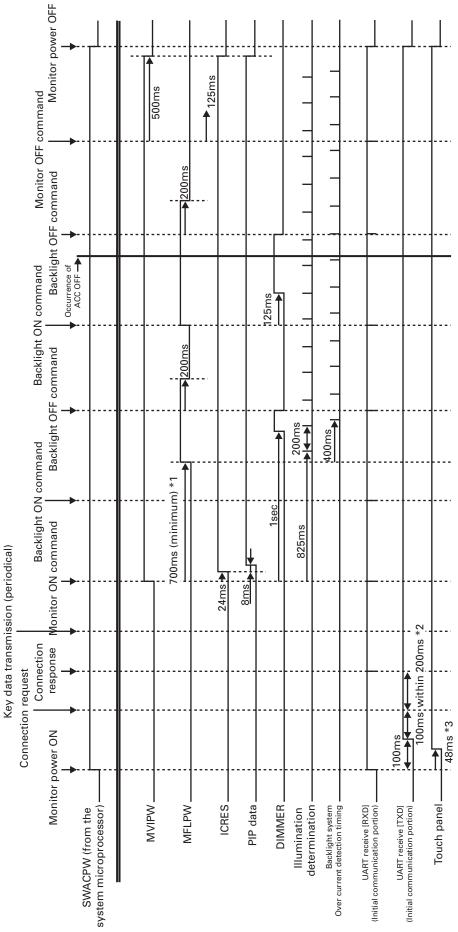
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# **■** Monitor Unit



- \* 1 : While MFLPW will turn ON by the backlight ON command, it will not turn ON for at least 700ms after MVIPW ON.
- \* 2 : In case connection response is not received from the system microprocessor within 200ms from the transmission of connection request, retry process will take place. Retry process will take place for 200ms x 16 times. In case the retry process is finished without receiving the request signal, the initial communication is determined to be NG (connection NG), and no more process will take place.
  - \* 3 : After 48 ms from the monitor power ON, the touch panel process (taking in AD coordinate) will take place.

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# 7.4 CLEANING



Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

Portions to be cleaned	
DVD pickup lenses	Cleaning liquid: GEM1004 Cleaning paper: GED-008

Portions to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008

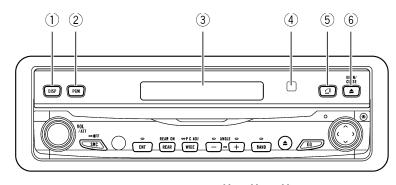
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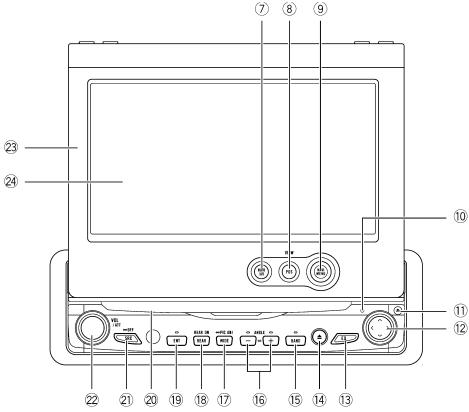
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# 8. OPERATIONS



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#### (1) DISP button

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Press to select different displays.

#### (2) PGM button (AVIC-N1/UC)

Press to operate the preprogrammed functions for each source.

#### (2) TA/NEWS button (AVIC-X1/EW)

Press to turn traffic announcements function on or off. Press and hold to turn NEWS function on or off.

#### (3) Sub display

Current time or the information of the audio source currently playing is displayed when the LCD panel is closed.

#### (4) Ambient light sensor

Senses ambient light. This system automatically adjusts the brightness of the display to compensate for ambient light.

#### (5) FLIP DOWN/CLOCK button

Press to turn the LCD panel horizontal temporarily when the LCD panel is upright.

Press to turn the clock of the sub display on or off when the LCD panel is closed.

#### (6) OPEN/CLOSE button

Press to open or close the LCD panel.

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#### (7) NAVI/AV button

Use to switch between Navigation map displays and audio operation displays.

#### (8) POS button

Press to view the map or return to guidance. Also, when the map is scrolling, pressing this button returns you to the display of the map of your surroundings.

Use to switch the view mode of the navigation when the map of your surroundings is displayed.

#### (9) NAVI MENU button

Press to display a menu of Navigation.

#### (10) RESET button

Press to return to the factory settings (initial settings).

#### (11) **DETACH** button

Press to remove the front panel from the display

#### (12) Joystick

Move to do manual seek tuning, fast forward, reverse and track search controls. Push to display **A.MENU**.

#### (13) EQ button

Press to select various equalizer curves.

#### (14) EJECT button

Press to eject a disc from this unit.

#### (15) BAND button

#### Radio:

Press to select among three FM and one AM bands.

#### **Built-in DVD drive:**

When playing back a disc containing an MP3 file and audio data (CD-DA), pressing this button switches playback between the MP3 file and CD-DA. Touch and hold this button when a disc containing an MP3 file is inserted returns you to the root folder.

#### (16) ANGLE (+/-) button

Press to change the LCD panel angle.

#### (17) WIDE button

Press to select a desired mode for enlarging a 4:3 picture to a 16:9 one.

Press and hold to enter the **PICTURE ADJUST** mode.

#### (18) REAR button

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Press to output to the REAR OUT terminal the sound and images of a disc inserted in the built-in DVD drive that is different the currently selected source.

#### (19) ENT button

Press to switch between the background displays

#### (20) Disc loading slot

Insert a disc to play.

#### (21) SRC (SOURCE) button

This unit is turned on by selecting a source. Press to cycle through all of the available sources. Press and hold to turn the source off.

#### (22) VOLUME/ATT button

Rotate to increase or decrease the volume. Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level

#### (23) LCD panel

#### (24) LCD screen

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# ● CONNECTION DIAGRAM (AVIC-N1/UC)

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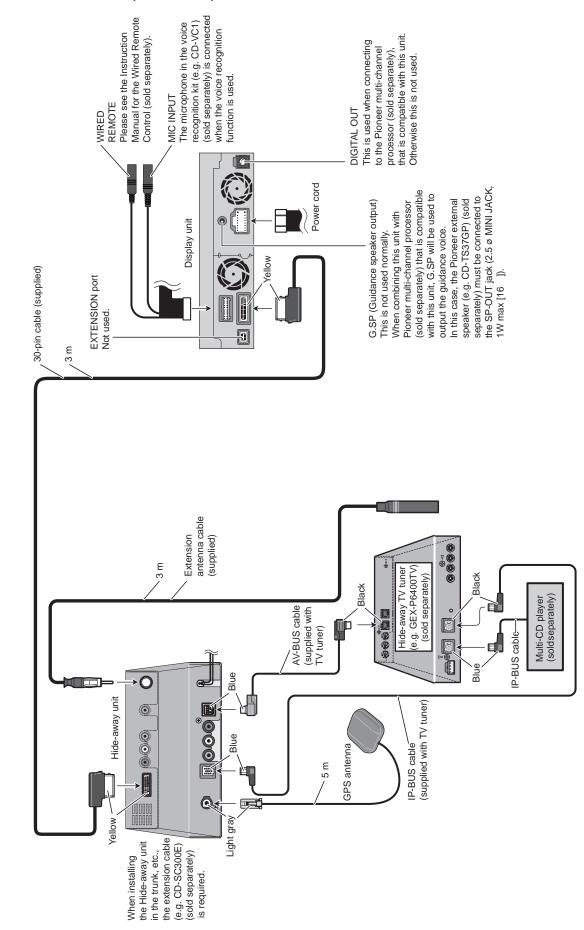
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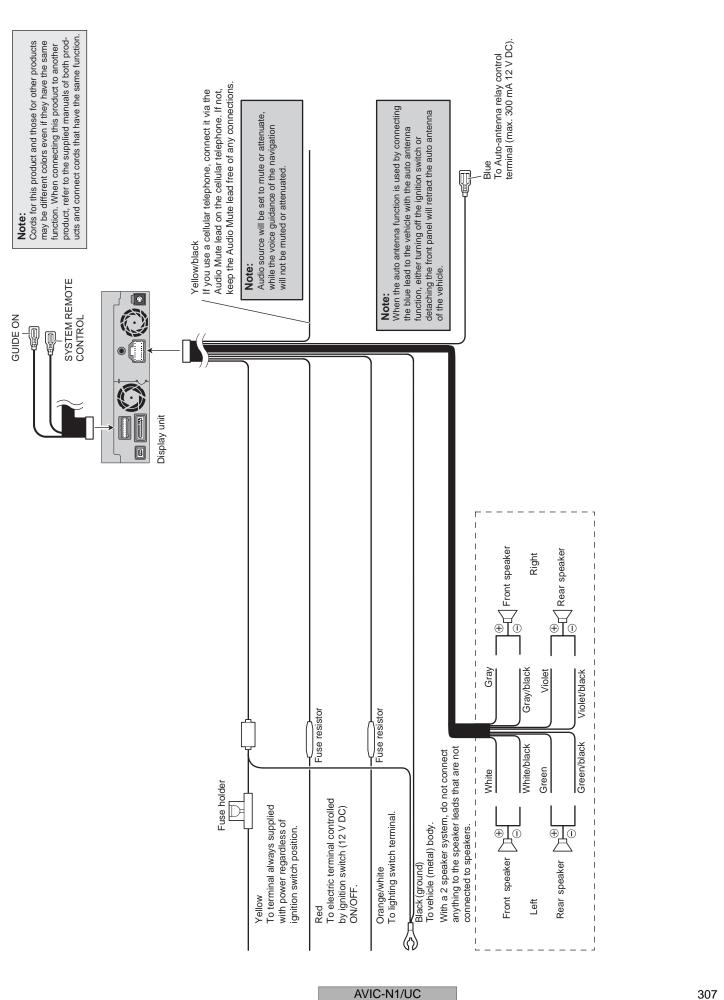
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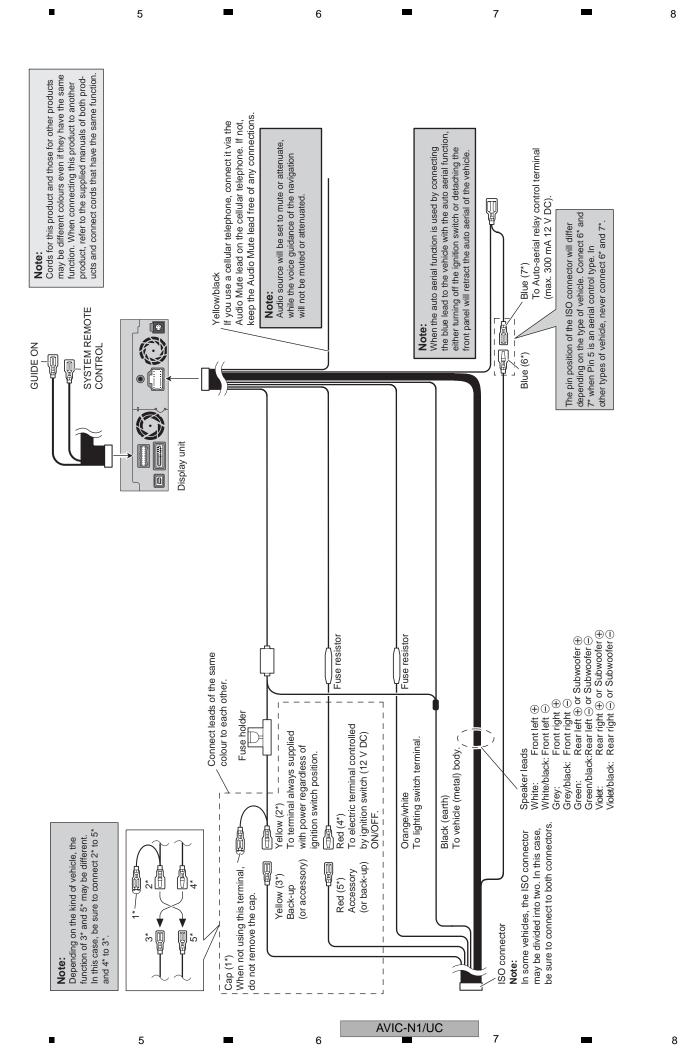
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The microphone in the voice recognition kit (e.g. CD-VC1) (sold separately) is connected when the voice recognition REMOTE
Please see the Instruction
Manual for the Wired Remote Control (sold separately). function is used. MIC INPUT DIGITAL OUT G.SP (Guidance speaker output) Power cord Display unit Yellow 30-pin cable (supplied) **EXTENSION** port Not used. 33 Extension aerial cable (supplied) © ∇ Ø Ø Ø Ø Ø 3 m Hide-away TV tuner (e.g. GEX-P6400TVP) (sold separately) Black Multi-CD player (soldseparately) AV-BUS cable (supplied with TV tuner) -**P** IP-BUS cable Blue Hide-away unit IP-BUS cable (supplied with TV tuner) 0 000 Blue **GPS** aerial /5m 0 Light grey the extension cable (e.g. CD-SC300E) (sold separately) is required. the Hide-away unit in the boot, etc., When installing

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After Installing the Unit

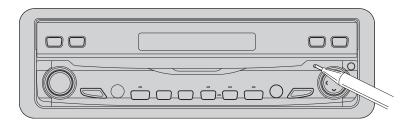
1. Reconnecting the battery.

First, double-check that all connections are correct and that the unit is installed correctly. Reassemble all vehicle components that you previously removed. Then reconnect the negative (—) cable to the negative (—) terminal of the battery.

2. Start the engine.

3. Press the RESET button on the display unit.

Press the RESET button on the display unit using a pointed object such as the tip of a pen.



4. Enter the following settings:

- ¥ Install the programme in the navigation system.
- ¥ Drive until the initialized sensors start operating normally.
- ¥ Set the time and language.

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If you reconnected the Hide-away unit, press the RESET button.

After installing the unit, be sure to check at a safe place that the vehicle is performing normally.

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# ● JIG's List

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Function	Name	Jig No.
CC Unit (CN609) <> Main Unit (CN3801)	PCB	GGF1461
CC Unit (CN609) <> GGF1461	40P FFC	GGD1170
CC Unit (CN609) <> GGF1461	20P FFC	GGD1209
CC Unit (CN608) <> Monitor PCB (CN4002)	PCB	GGF1483
CC Unit (CN2701) <> Panel PCB (CN5901)	18P FFC	GGD1208
Monitor PCB (CN4002) <> GGF1483	36P FFC	GGD1366
Monitor Adjustment PCB	PCB	GGF1416
JIG connector Assy	PCB and FFC	GGF1463
Monitor PCB ("FOR SERVICE" 14P terminal) <> GGF1463	14P FFC	GGD1323
TEST DISC (Operation check)	CD-ROM or DVD-ROM	GGV1137
DVD pickup lenses	CLEANING LIQUID	GEM1004
DVD pickup lenses and Fans	CLEANING PAPER	GED-008